# T & B REGISTERS and GRILLES

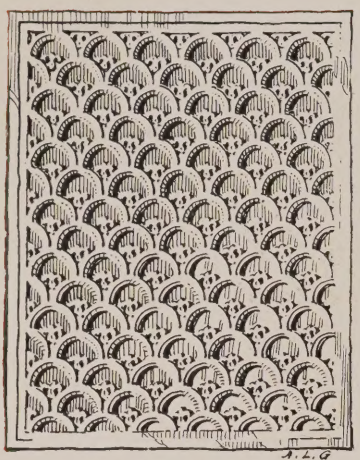
TUTTLE & BAILEY MFG. CO.
NEW YORK CHICAGO BOSTON

# REGISTERS
*and*
# GRILLES

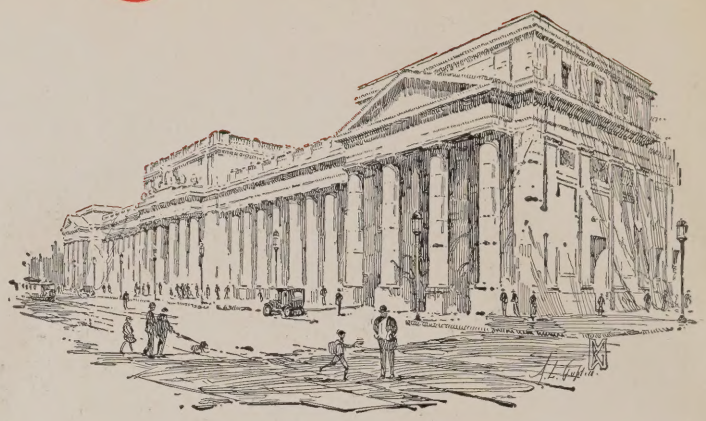
*Established 1846*

SEVENTY-EIGHTH
ANNUAL CATALOG

TUTTLE & BAILEY MFG. CO.
NEW YORK
BOSTON CHICAGO KANSAS CITY LOS ANGELES
BRIDGEBURG, ONT., CANADA
LONDON, ENGLAND

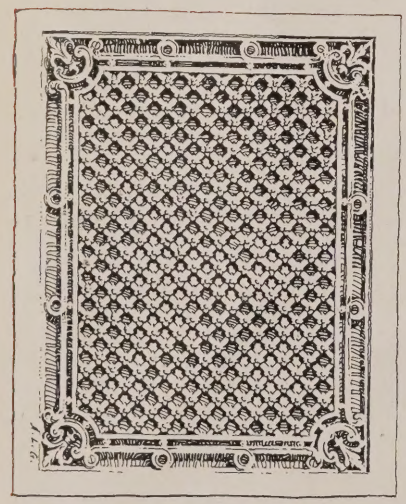


**Design No. 50**
in the
Pennsylvania Railroad
Terminal Building
New York City



Two of the Great Buildings in
which the Grilles are of
Tuttle & Bailey
Manufacture
*and*
The two Great Designs which the
Architects created to be
reproduced in

FERROCRAFT



**Design No. 83**
in the
New York Public Library
Building
New York City

# *The Standard of Comparison*

REGISTERS are to be Tuttle & Bailey make or equal—is a clause which has long appeared in Register specifications and implies a valued reputation. For SEVENTY-EIGHT years, our factory has been devoted Exclusively to the Manufacture of Registers and Grilles used to cover heat and vent openings in dwellings and public buildings.

Registers, Grilles and Ventilators are the largest and most conspicuous pieces of hardware in a room and should receive a corresponding amount of attention in any scheme of decoration.

With warm air furnace heating systems, the installation is often judged by the appearance and durability of the Registers.

In steam, hot water or vapor heating systems, the Grille plays an important part in concealing the radiator.

Where the indirect or the direct-indirect systems, with plenty of fresh air, have supplanted the direct system, the Grilles and Registers are prominent.

FERROCRAFT REGISTERS AND GRILLES are for ALL systems and if cast in special design to conform to the decorative plan, they become objects of beauty as well as utility. Designed for fine interior work and with an eye to period motif, they are modeled by artists and finished by craftsmen. FERROCRAFT PRODUCTS mean more than "ornamental iron" and should not be confounded with the output of the ordinary foundry.

Seventy-eight years of specialized manufacture is our best introduction and we believe that no concern in this country has, in like measure, enjoyed the confidence of the Architects and Engineers of America.

"T. & B." means, as heretofore, "The Standard of Comparison."

# *Capacity*

Much has been said, and some absurd claims made, on the question of Register and Grille capacities. So many different opinions are held regarding the matter that we feel inclined to state on what theory our goods have been designed.

After exhaustive tests over a long period conducted by unprejudiced experts under the supervision of the University of Illinois they reported to the National Warm Air Heating & Ventilating Association as follows:

> "Results of these tests indicate that warm air Register Grilles do not offer an appreciable resistance to the flow of heated air, provided the free areas are not reduced below 70 per cent. of the gross areas."

Assuming the above theory to be correct, we conclude that a Grille or Register Face that has a free air opening of approximately 70 per cent. has a capacity of 100 per cent., because the same amount of air will flow when the Grille is put in place as when the Grille is entirely removed. Nothing is to be gained by opening up the design to the extent of sacrificing appearance or safety, provided the area of the fretwork is not more than approximately 30 per cent. of the total opening size.

The above confirms the theory on which our Registers and Grilles were designed.

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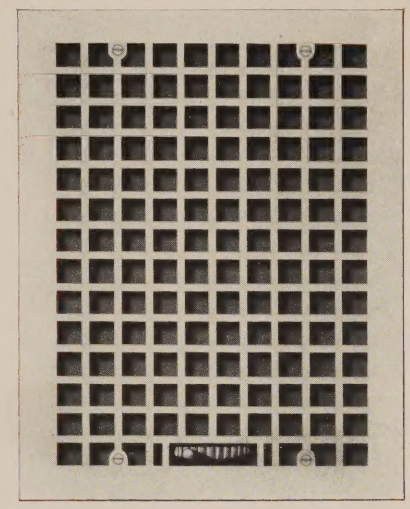
**NOTE, PLEASE, THAT THROUGHOUT THIS BOOK**

**First:** Sizes starred (*) indicate that the article is carried in our warehouse stocks in the principal standard finishes for immediate shipment.

**Second:** All sizes printed in black indicate that parts to make up are carried semi-finished at our factory to be assembled and finished for prompt shipment.

**Third:** Sizes printed in red are made to order only.

## Registers, Ferrocraft
**All Cast (Multi-Valve)**



Style 30

Ferrocraft (All Cast)

### Ferrocraft Registers

Ferrocraft Registers are the best that can be made.

Of Cast Iron throughout—with no steel stampings to bend or rust, they will last as long as the building.

Furnished in an infinite variety of designs they can be made to harmonize with the decorative scheme.

The Stock Design is Plain Lattice—Style 30.

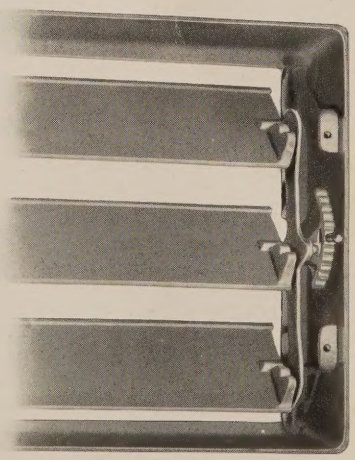
When the Registers are furnished with Faces of Cast Bronze or Brass, they are carefully hand chased and finished with all the care that is given to Ferrocraft Products.

Ferrocraft Registers of any size or design can be used as Pulley Registers in the ceiling or sidewall when equipped with our pulley attachments.

Details of Pulley Registers are given on page 12.

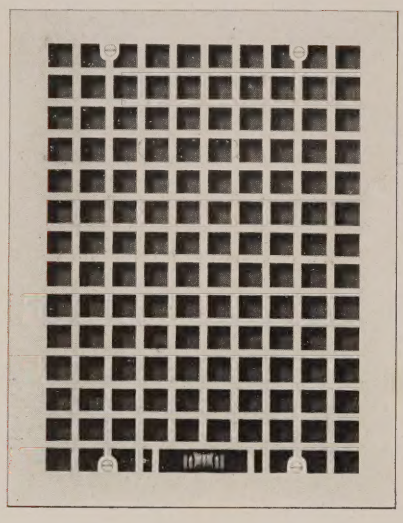
**For standard sizes, finishes and list prices, see pages 57 to 60.**

The **Vertical Wheel** Movement, patented by us in 1846, remains today the most satisfactory device for operating the valves of a Register. It works smoothly, does not become clogged by dirt and is practically noiseless.



The old Reliable
Vertical Wheel Movement

*For Weights of Common Sizes, See Page 71*



**Style 60**

Ferrosteel (Semi-Steel)

## FERROSTEEL REGISTERS

To secure the advantages of the Cast Iron Face, that is ornamental design, strength and durability—with the light weight of the Steel Bottom, the Ferrosteel Register has been designed. All parts except the Face are of wrought steel. The Faces can be cast in iron, brass or bronze, and may be furnished in any T. & B. Design or in Architect's own detail to make them adaptable for Period rooms.

The Stock Design is Plain Lattice—Style 60.

Where lighter weight is desired Ferrosteel Registers are more suitable for Pulley Registers than Ferrocraft. Sidewall or ceiling Pulleys can be readily attached in the usual way to operate by cord or chain. For details see page 12.

**For standard sizes, finishes and list prices, see pages 57 to 60**

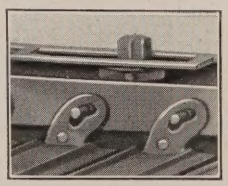
A feature of all T. & B. Ferrosteel and All-steel Registers is the register Bottom shown on opposite page. The sides are beveled, and this fact together with the slight clearance allowance insures the register slipping into the box without extra work.

The bottom itself is made of heavy gauge steel and is only 2¼ inches deep when open on all sizes up to 14 inches in width.

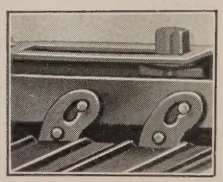
In setting, if the Face is removed the Bottom is complete in itself, a special arrangement holding all parts in their proper places. No part can fall out or into the flue.

The Patent Roller Movement, similar in principle to the Roller Bearing, causes the valves to open and close smoothly without any catch or hitch and when fully closed lock automatically.

**This self-locking feature is extremely important, especially when the Register is used with a blower system, as it is impossible for the draught to open the valves.**



Closed but not locked



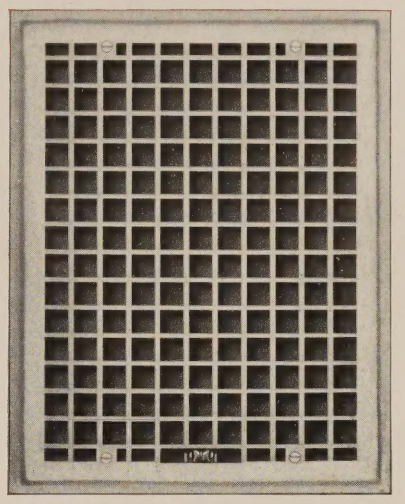
Closed and locked

*For Weights of Common Sizes, See Page 71*

## Registers, Wrought Steel
**All Steel (Multi-Valve)**

Style 70

(All Steel)



## ALL WROUGHT STEEL REGISTERS

The All-Steel Register is made throughout of Wrought Steel. While of great strength it is lighter in weight than either the All Cast (Ferrocraft) or the Semi-Steel (Ferrosteel) with a consequent Saving in Freight. All the parts being of Steel it is not liable to Breakage, and with its lighter shipping weight the Wrought Steel Register is well adapted for the export trade.

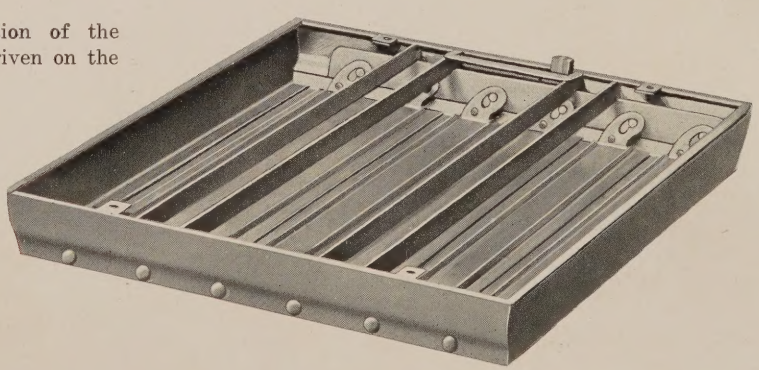
For Floor use the Face is rigidly braced with Strengthening Bars and the Edges of the Face are offset to make a close fit against the Floor or Wall.

The All Wrought Steel Register is especially suitable as a Pulley Register where light weight is required for use in the Ceiling or Wall. For details see page 12.

**For standard sizes, finishes and list prices, see pages 57 to 60**

The Bottom being the same as furnished with the Semi-Steel (Ferrosteel), the Register is only 2¼ inches deep when open on all sizes up to 14 inches in width.

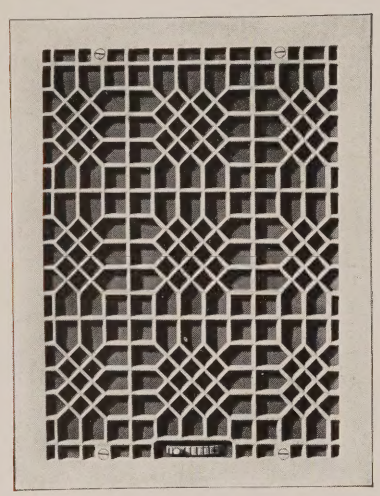
Detailed description of the Steel Bottom is given on the preceding page.



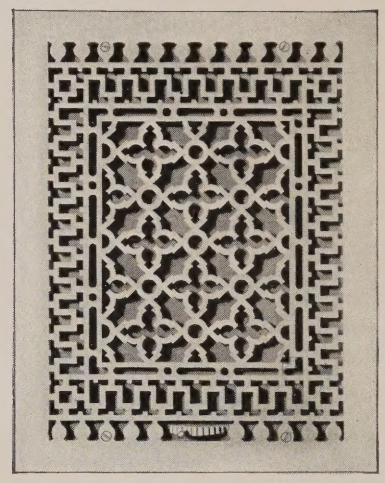
*For Weights of Common Sizes, See Page 71*

## Registers (multi-valve), Standard Designs

The standard designs here shown while more expensive than Plain Lattice, can be furnished in FERROCRAFT or Ferrosteel (semi-steel) at comparatively low prices in the sizes listed on this page.



**Indian Lattice Design**
**Also known as T. & B. No. 394**

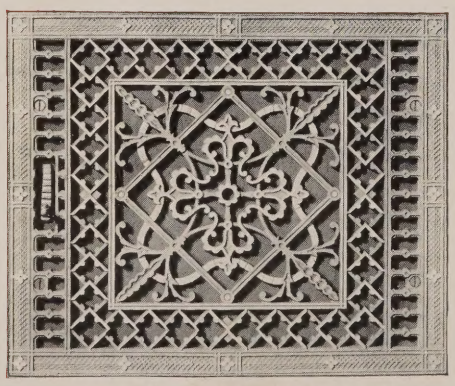


**Persian Design**
**Also known as T. & B. No. 210**

### Indian Lattice and Persian Designs

Made in the following sizes

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 x 12 | 6 x 12 | 7 x 10 | 8 x 15 | 9 x 13 | 10 x 14 | 12 x 16 | 12 x 32 | 15 x 25 | 16 x 24 | 18 x 30 | 24 x 27 |
| 4 x 18 | 6 x 14 | 7 x 12 | 8 x 18 | 9 x 14 | 10 x 16 | 12 x 17 | 12 x 36 | 15 x 30 | 16 x 28 | 20 x 20 | 24 x 30 |
| 4 x 24 | 6 x 16 | 7 x 14 | 8 x 21 | 9 x 16 | 10 x 18 | 12 x 18 | 14 x 14 | 15 x 34 | 16 x 32 | 20 x 24 | 24 x 32 |
| 6 x 6 | 6 x 18 | 8 x 8 | 8 x 24 | 9 x 18 | 10 x 20 | 12 x 19 | 14 x 16 | 16 x 16 | 18 x 18 | 20 x 26 | 24 x 36 |
| 6 x 8 | 6 x 20 | 8 x 10 | 8 x 30 | 9 x 28 | 12 x 12 | 12 x 20 | 14 x 18 | 16 x 18 | 18 x 21 | 21 x 29 | 27 x 27 |
| 6 x 9 | 6 x 24 | 8 x 12 | 9 x 9 | 10 x 10 | 12 x 14 | 12 x 24 | 14 x 20 | 16 x 20 | 18 x 24 | 22 x 22 | 30 x 36 |
| 6 x 10 | 7 x 7 | 8 x 14 | 9 x 12 | 10 x 12 | 12 x 15 | 12 x 30 | 14 x 22 | 16 x 22 | 18 x 27 | 24 x 24 | 30 x 42 |



**Florentine Design**
**Also known as T. & B. No. 269**

### Florentine Design

Made in the following sizes

| | | |
|---|---|---|
| 6 x 8 | 10 x 14 | 16 x 16 |
| 6 x 9 | 10 x 16 | 16 x 20 |
| 6 x 10 | 10 x 18 | 16 x 24 |
| 6 x 14 | 10 x 20 | 18 x 18 |
| 6 x 18 | 12 x 12 | 18 x 21 |
| 6 x 24 | 12 x 14 | 20 x 24 |
| 7 x 10 | 12 x 15 | 20 x 26 |
| 8 x 8 | 12 x 16 | 24 x 24 |
| 8 x 10 | 12 x 17 | 24 x 27 |
| 8 x 12 | 12 x 18 | 27 x 27 |
| 8 x 15 | 12 x 19 | 27 x 38 |
| 8 x 18 | 12 x 20 | |
| 9 x 9 | 12 x 24 | Also for side wall only |
| 9 x 12 | 14 x 14 | |
| 9 x 13 | 14 x 16 | |
| 9 x 14 | 14 x 18 | 18 x 24 |
| 9 x 24 | 14 x 20 | 20 x 20 |
| 10 x 10 | 14 x 22 | 21 x 29 |
| 10 x 12 | 15 x 25 | 24 x 32 |

**Registers of these designs are not carried in stock.**

## Registers (multi-valve), Standard Designs (Continued)

The standard designs here shown while more expensive than Plain Lattice, can be furnished in FERROCRAFT or Ferrosteel (semi-steel) at comparatively low prices in the sizes listed on this page.

**Empire Design**
**Also known as T. & B. No. 263**

Made in the following sizes

| | | |
|---|---|---|
| 8 x 8 | 12 x 12 | 16 x 18 |
| 8 x 10 | 12 x 14 | 16 x 20 |
| 8 x 12 | 12 x 15 | 16 x 22 |
| 9 x 9 | 12 x 16 | 16 x 24 |
| 9 x 12 | 12 x 17 | 18 x 18 |
| 9 x 13 | 12 x 18 | 18 x 21 |
| 9 x 20 | 12 x 19 | 18 x 24 |
| 10 x 10 | 12 x 24 | 18 x 27 |
| 10 x 12 | 14 x 14 | 18 x 30 |
| 10 x 14 | 14 x 16 | 20 x 20 |
| 10 x 16 | 14 x 18 | 20 x 26 |
| 10 x 18 | 14 x 20 | 24 x 45 |
| 10 x 20 | 14 x 22 | 27 x 27 |
| 10 x 24 | 16 x 16 | |

**Empire and Renaissance Designs for Wall or Ceiling only**

**Renaissance Design**
**Also known as T. & B. No. 270**

Made in the following sizes
To Set Vertically (see cut)

| | | | | |
|---|---|---|---|---|
| 4 x 8 | 9 x 12 | 10 x 14 | 12 x 20 | 20 x 20 |
| 4 x 10 | 9 x 13 | 10 x 16 | 14 x 14 | 20 x 24 |
| 6 x 8 | 9 x 14 | 12 x 12 | 14 x 18 | 20 x 26 |
| 6 x 12 | 9 x 15 | 12 x 14 | 14 x 20 | 21 x 29 |
| 8 x 10 | 9 x 16 | 12 x 15 | 16 x 20 | 27 x 38 |
| 8 x 12 | 9 x 18 | 12 x 16 | 16 x 24 | |
| 8 x 16 | 10 x 10 | 12 x 17 | 16 x 32 | |
| 9 x 9 | 10 x 12 | 12 x 18 | 18 x 24 | |

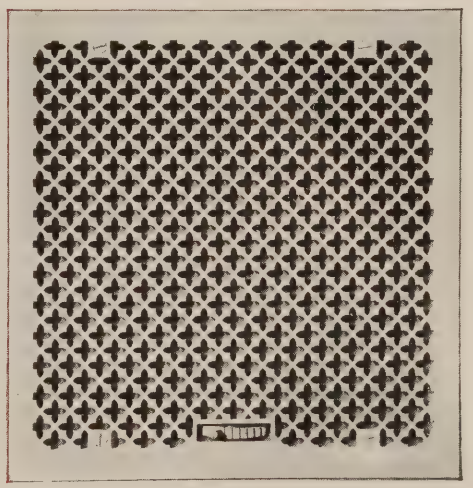
Also the following to set with long dimension Horizontal

| | | |
|---|---|---|
| 12 x 20 | 12 x 24 | 15 x 25 |

### Asylum Design

Made in the following sizes

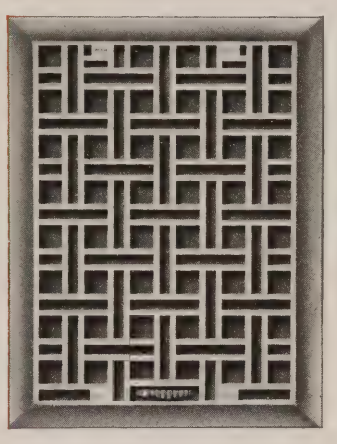
| | | | |
|---|---|---|---|
| 6 x 6 | 8 x 21 | 12 x 16 | 16 x 24 |
| 6 x 8 | 9 x 9 | 12 x 17 | 16 x 32 |
| 6 x 10 | 9 x 12 | 12 x 18 | 18 x 18 |
| 6 x 12 | 9 x 14 | 12 x 19 | 18 x 21 |
| 6 x 14 | 9 x 16 | 12 x 20 | 18 x 24 |
| 6 x 16 | 9 x 18 | 12 x 24 | 18 x 27 |
| 6 x 18 | 9 x 20 | 14 x 14 | 18 x 36 |
| 6 x 20 | 10 x 10 | 14 x 16 | 20 x 20 |
| 6 x 22 | 10 x 12 | 14 x 18 | 20 x 24 |
| 6 x 24 | 10 x 14 | 14 x 20 | 20 x 26 |
| 8 x 8 | 10 x 15 | 14 x 22 | 20 x 28 |
| 8 x 10 | 10 x 16 | 15 x 30 | 20 x 32 |
| 8 x 12 | 10 x 18 | 16 x 16 | 21 x 21 |
| 8 x 15 | 10 x 20 | 16 x 18 | 24 x 27 |
| 8 x 16 | 12 x 12 | 16 x 20 | 24 x 30 |
| 8 x 18 | 12 x 14 | 16 x 22 | 24 x 36 |
| 8 x 20 | 12 x 15 | | |



**Asylum Design**
**Also known as T. & B. No. 266**

**Registers of these designs are not carried in stock.**

## Registers for Sidewall (Multi-Valve)
### Convex. Circular Top and Border



Style 25
**Convex Lattice**
Ferrocraft (all cast)

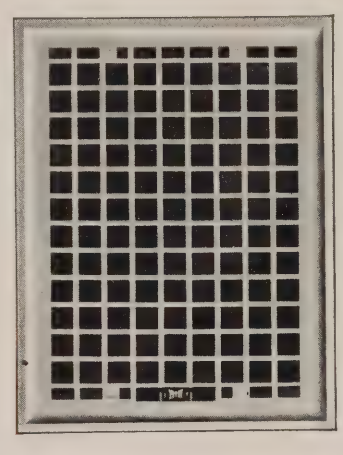
Made in the following sizes

| | | |
|---|---|---|
| 6 x 8 | 10 x 10 | 12 x 24 |
| 6 x 10 | 10 x 12 | 14 x 14 |
| 6 x 12 | 10 x 14 | 14 x 16 |
| 7 x 10 | 10 x 16 | 14 x 18 |
| 8 x 8 | 12 x 12 | 14 x 20 |
| 8 x 10 | 12 x 14 | 14 x 22 |
| 8 x 12 | 12 x 15 | 16 x 20 |
| 8 x 15 | 12 x 16 | 16 x 24 |
| 8 x 18 | 12 x 17 | 18 x 21 |
| 9 x 9 | 12 x 18 | 18 x 24 |
| 9 x 12 | 12 x 19 | 20 x 20 |
| 9 x 14 | 12 x 20 | 24 x 24 |

**The Convex Register is for shallow flues**

A Multi-Valve Register which is shallow when open

The Face is Convex

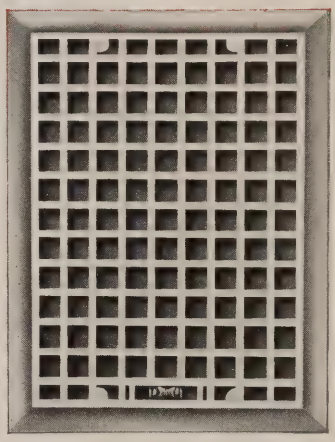


Style 75
**Convex Plain Lattice**
All Steel

Made in the following sizes:

| | | |
|---|---|---|
| 8 x 10 | 9 x 12 | 10 x 14 |
| 8 x 12 | 10 x 12 | |

**For List Prices see page 68**



Style 26
**Convex Plain Lattice**
Ferrosteel (Semi-steel)

Made in the following sizes

| | |
|---|---|
| 6 x 8 | *10 x 12 |
| 6 x 10 | 10 x 14 |
| 7 x 10 | 10 x 16 |
| *8 x 10 | 10 x 24 |
| *8 x 12 | 12 x 12 |
| *9 x 12 | 12 x 14 |
| 9 x 14 | 12 x 15 |
| 10 x 10 | 12 x 16 |

Crown Design

**Circular Top Register and Border**

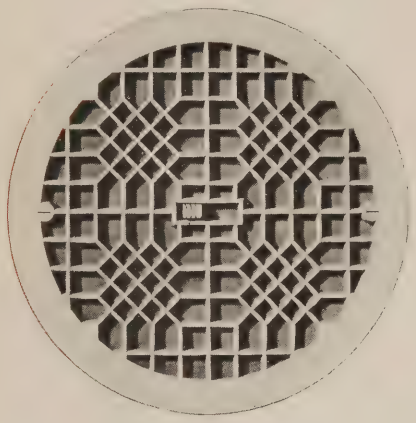
Made in the following sizes:

*8 x 12
*9 x 12
10 x 14

Circular Top Crown Wall Border

**For List Prices see page 70**

## Round Registers (Multi-Valve)
## Heavy Round Gratings



**Indian Lattice Round**

**Style 00—The Register**
**Style 0—The Register Face**

**Plain Lattice Round**

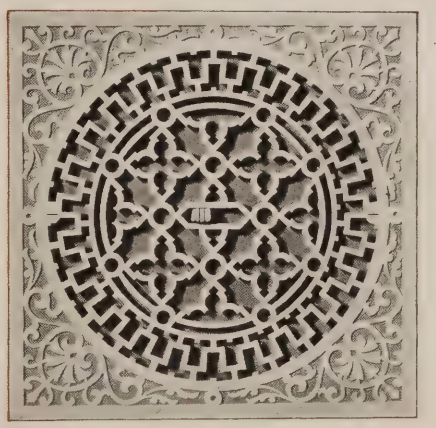
**Furnished in same sizes as Style 00**
**To Order Only**

Made in the following sizes

| | | | | |
|---|---|---|---|---|
| *6″ | *9″ | 14″ | 20″ | 30″ |
| *7″ | *10″ | 16″ | 24″ | 36″ |
| *8″ | *12″ | 18″ | 28″ | |

**For List Prices, Round Registers, Faces and Borders See Page 69**

### Round Register with Square Face

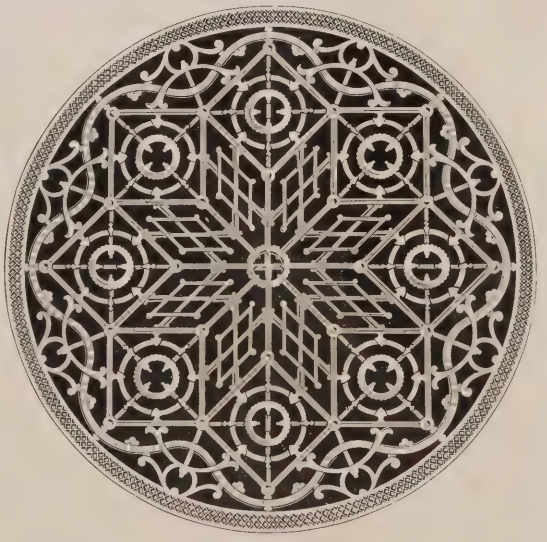


Made in the following sizes

7″ 8″ 9″ 10″ 12″

**For List Prices See Page 70**

### Heavy Round Gratings



**Florentine Design**

| Size of Opening | Design of Grating |
|---|---|
| 30″ | Persian or Indian Lattice |
| 33″ | Florentine |
| 36″ | Florentine, Persian or Indian Lattice |
| 42″ | Persian |
| 48″ | Florentine |

**For List Prices See Page 70**

## Pulley Registers For Wall and Ceiling
**(Multi-Valve)**

Multi-Valve Registers of any size or design (except Lock-Registers) can be made into Pulley Registers by attaching T. & B. sidewall or ceiling pulleys.

A SIDEWALL PULLEY REGISTER
**Style 30-P**

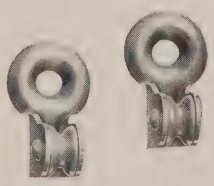
Indicating handles, cord, chain, etc., are not included in the price of a Pulley Register.

For the list price of a Pulley Register, add 50 cents list to the Multi-Valve Register lists shown herein on all sizes smaller than 14 x 14 or $1.00 list if 14 x 14 or larger.

See List Prices on page 57 and following.

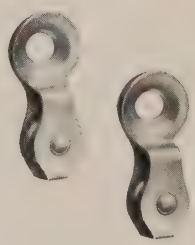
Orders for Pulley Registers should state whether for SIDEWALL or CEILING and if drilling is required. The rims will not be drilled unless so specified.

*To specify Pulley Registers add "P" after the style of Register desired for sidewall and "C. P." for ceiling. Example: To order a 10 x 12 Black Plain Lattice, Ferrosteel Pulley Register for ceiling, specify Style 60, C. P. 10 x 12 Black.*



Ceiling Pulleys

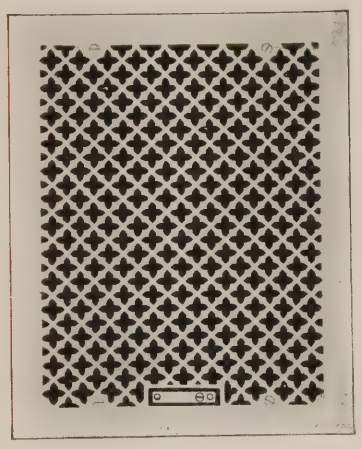
Orders for Pulleys separate should specify **STYLE** of Pulley **AND** if **SMALL** (for Registers under 14 inches wide) or **LARGE** (for Registers 14 x 14 and over.)



Sidewall Pulleys

## Lock Registers (Multi-Valve)

Lock Registers are designed for use where it is desirable to lock the valves in any position so they cannot be moved without the use of a key.



**Asylum Design—Lock**
Cast Ferrocraft

The Asylum Design Key Operating Lock Register is made especially for Asylums. The fret work is small so that inmates cannot put their fingers through the openings.

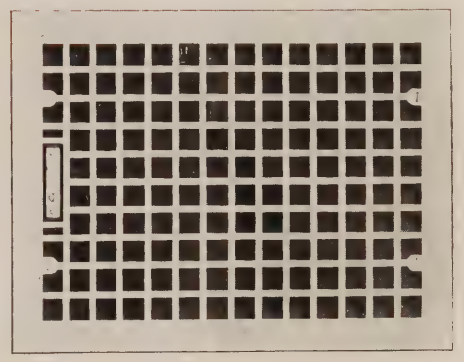
Made in the following sizes **only**

| | | | |
|---|---|---|---|
| 6 x 6 | 8 x 24 | 12 x 16 | 16 x 24 |
| 6 x 8 | 9 x 9 | 12 x 17 | 16 x 32 |
| 6 x 10 | 9 x 12 | 12 x 18 | 18 x 18 |
| 6 x 12 | 9 x 14 | 12 x 19 | 18 x 21 |
| 6 x 14 | 9 x 16 | 12 x 20 | 18 x 24 |
| 6 x 16 | 9 x 18 | 12 x 24 | 18 x 27 |
| 6 x 18 | 9 x 20 | 14 x 14 | 18 x 36 |
| 6 x 20 | 10 x 10 | 14 x 16 | 20 x 20 |
| 6 x 22 | 10 x 12 | 14 x 18 | 20 x 24 |
| 6 x 24 | 10 x 14 | 14 x 20 | 20 x 26 |
| 8 x 8 | 10 x 15 | 14 x 22 | 20 x 28 |
| 8 x 10 | 10 x 16 | 15 x 30 | 20 x 32 |
| 8 x 12 | 10 x 18 | 16 x 16 | 21 x 24 |
| 8 x 15 | 10 x 20 | 16 x 18 | 24 x 27 |
| 8 x 16 | 12 x 12 | 16 x 20 | 24 x 30 |
| 8 x 18 | 12 x 14 | 16 x 22 | 24 x 36 |
| 8 x 20 | 12 x 15 | | |

### Plain Lattice Design—Lock

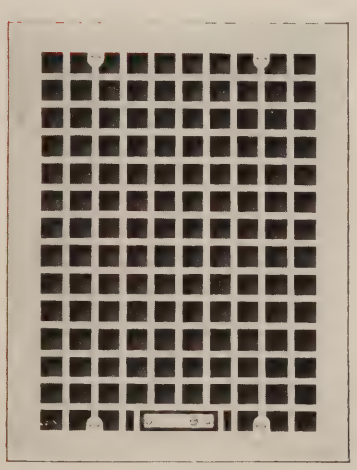
(Key Operating Type)

The Plain Lattice Design Lock Registers are intended for buildings other than Asylums, where it is advisable to have a more open design with the Key Operating movement. They can be furnished in all listed sizes of regular Registers.

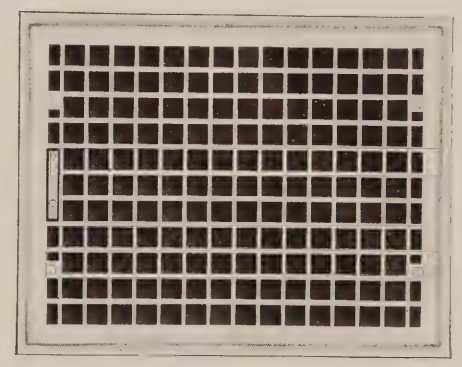


**Style 61**
Ferro Steel (Semi-Steel)

**Styles 61 and 71 are carried in semi-finished stock in the principal sizes.**



**Style 31**
Cast Ferrocraft

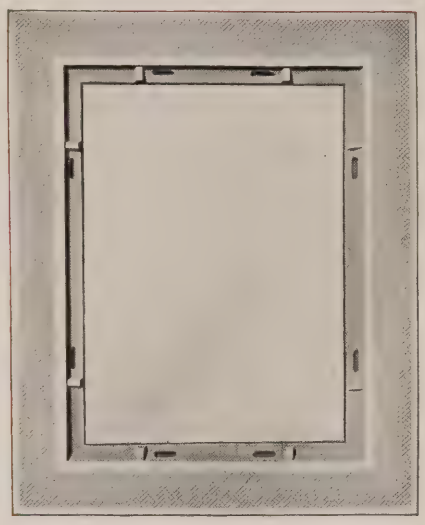


**Style 71**
All Steel

For List Prices add $2.00 to the List Prices of corresponding sizes of **Multi-Valve Registers.** See Pages 57 to 60.

**The Key Operating Lock Device can be applied to many of our Ferrocraft Special Design Registers.**

## Borders

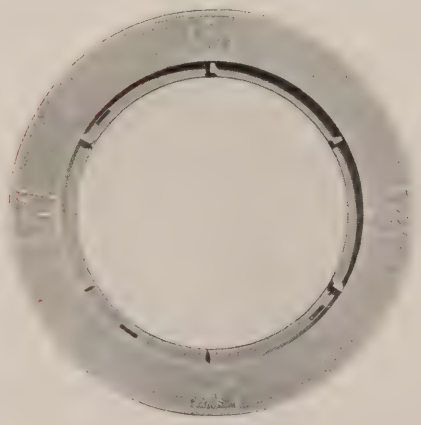


Brilliant Design
Standard for all Finishes

**Borders** are made to fit all listed sizes of Cast, Semi-Steel and All Steel Registers as shown on pages 57 to 60 inclusive. They are made of Cast Iron, Bronze, Brass or Slate. The construction of the Cast Border will be seen by referring to cuts on page 65. If desired these Borders can be furnished flat on the back without the Rib which marks the floor opening and should be ordered "Ribless." As Steel Borders have been found to be unsatisfactory, we do not recommend their use.

**For sizes, finishes and list prices see pages 65 to 67 inclusive.**

**For sizes and list prices of SLATE BORDERS see page 68.**



**Style BO**

**Style B**
(With Ribs)

**Style BR**
(Ribless)

Persian Design
Furnished in all listed sizes
Made to order only

**Round Borders**
Style BO

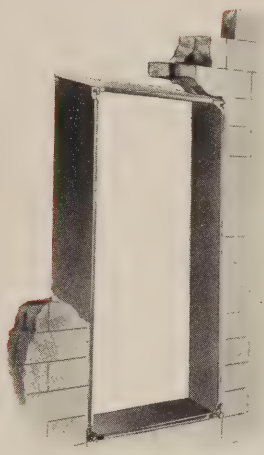
For sizes, finishes and list prices see page 69

**Round Borders**
To Fit Heavy Round Gratings

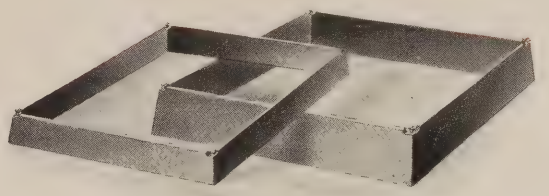
For list prices and sizes see page 70

# Wall Frames

## Cast Iron, Reverse Beveled



For Use in Brick Walls



Made 2″ or 4″ Deep

### Price List

| To Fit Register | 4 in. Deep | To Fit Register | 4 in. Deep | To Fit Register | 4 in. Deep | To Fit Register | 4 in. Deep |
|---|---|---|---|---|---|---|---|
| 4½x 6½ | $1.30 | 7 x 12 | $2.30 | 10 x 14 | $3.00 | 16 x 22 | $5.30 |
| 4 x 8 | 1.40 | 7 x 14 | 2.50 | 10 x 16 | 3.30 | 16 x 24 | 5.50 |
| 4 x 10 | 1.70 | 7 x 15 | 2.60 | 10 x 18 | 3.50 | 16 x 28 | 6.10 |
| 4 x 12 | 1.90 | | | 10 x 20 | 3.80 | 16 x 32 | 6.70 |
| 4 x 13 | 2.00 | | | 10 x 22 | 4.20 | | |
| 4 x 15 | 2.30 | 8 x 8 | 1.90 | 10 x 24 | 4.30 | 18 x 18 | 5.20 |
| 4 x 18 | 2.60 | 8 x 10 | 2.20 | 10 x 30 | 5.00 | 18 x 20 | 5.50 |
| 4 x 21 | 3.00 | 8 x 12 | 2.40 | | | 18 x 21 | 5.60 |
| 4 x 24 | 3.40 | 8 x 13 | 2.50 | 11 x 17 | 3.60 | 18 x 24 | 6.00 |
| | | 8 x 14 | 2.60 | 11 x 18 | 3.70 | 18 x 27 | 6.40 |
| 5 x 8 | 1.60 | 8 x 15 | 2.80 | 11 x 20 | 4.00 | 18 x 30 | 6.80 |
| 5 x 9 | 1.70 | 8 x 16 | 2.90 | | | 18 x 36 | 7.80 |
| 5 x 10 | 1.80 | 8 x 18 | 3.10 | | | | |
| 5 x 11 | 1.90 | 8 x 20 | 3.40 | 12 x 12 | 3.10 | 20 x 20 | 5.90 |
| 5 x 12 | 2.00 | 8 x 21 | 3.50 | 12 x 14 | 3.40 | 20 x 22 | 6.30 |
| 5 x 13 | 2.20 | 8 x 24 | 3.80 | 12 x 15 | 3.50 | 20 x 24 | 6.60 |
| 5 x 14 | 2.30 | 8 x 27 | 4.20 | 12 x 16 | 3.60 | 20 x 26 | 6.90 |
| 5 x 15 | 2.40 | 8 x 30 | 4.60 | 12 x 17 | 3.80 | 20 x 28 | 7.10 |
| 5 x 16 | 2.50 | | | 12 x 18 | 3.90 | 20 x 30 | 7.50 |
| 5 x 17 | 2.60 | | | 12 x 19 | 4.00 | 20 x 32 | 7.70 |
| 5 x 18 | 2.80 | 9 x 9 | 2.20 | 12 x 20 | 4.20 | 20 x 36 | 8.50 |
| | | 9 x 12 | 2.60 | 12 x 24 | 4.70 | | |
| 6 x 6 | 1.40 | 9 x 13 | 2.70 | 12 x 30 | 5.50 | 21 x 29 | 7.70 |
| 6 x 8 | 1.70 | 9 x 14 | 2.80 | 12 x 32 | 5.70 | 21 x 37 | 8.90 |
| 6 x 9 | 1.80 | 9 x 15 | 2.90 | 12 x 36 | 6.30 | | |
| 6 x 10 | 1.90 | 9 x 16 | 3.10 | 12 x 40 | 7.20 | 24 x 24 | 7.20 |
| 6 x 12 | 2.20 | 9 x 17 | 3.20 | | | 24 x 27 | 7.80 |
| 6 x 14 | 2.40 | 9 x 18 | 3.30 | 14 x 14 | 3.80 | 24 x 30 | 8.10 |
| 6 x 16 | 2.70 | 9 x 19 | 3.40 | 14 x 15 | 3.90 | 24 x 32 | 8.60 |
| 6 x 18 | 2.90 | 9 x 20 | 3.50 | 14 x 16 | 4.10 | 24 x 36 | 9.10 |
| 6 x 20 | 3.10 | 9 x 22 | 3.80 | 14 x 18 | 4.30 | 24 x 45 | 10.50 |
| 6 x 22 | 3.40 | 9 x 24 | 4.00 | 14 x 20 | 4.60 | | |
| 6 x 24 | 3.60 | 9 x 25 | 4.20 | 14 x 22 | 4.80 | 27 x 27 | 8.10 |
| 6 x 28 | 4.10 | 9 x 26 | 4.30 | | | 27 x 38 | 9.90 |
| 6 x 30 | 4.30 | 9 x 28 | 4.50 | 15 x 25 | 5.50 | | |
| 6 x 32 | 4.60 | 9 x 30 | 4.80 | | | 30 x 30 | 9.00 |
| | | | | 16 x 16 | 4.40 | 30 x 36 | 10.00 |
| 7 x 7 | 1.70 | 10 x 10 | 2.50 | 16 x 18 | 4.70 | | |
| 7 x 10 | 2.10 | 10 x 12 | 2.80 | 16 x 20 | 5.00 | 36 x 36 | 11.00 |

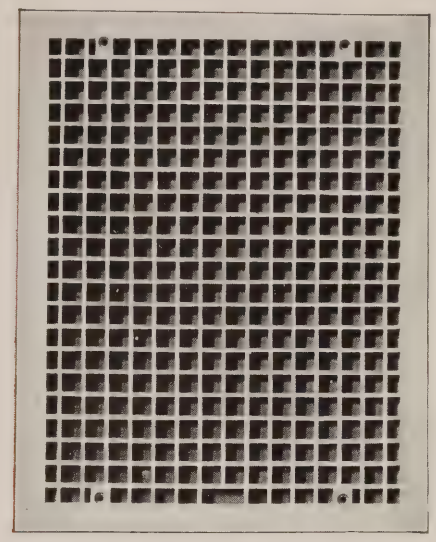
Cast iron wall frames furnish the best means of securely holding registers in place in brick walls. They are solidly masoned into the brickwork, and the registers, being attached by screws, can be removed at any time without injury to the walls.

**These frames should be installed when walls are in course of construction.**

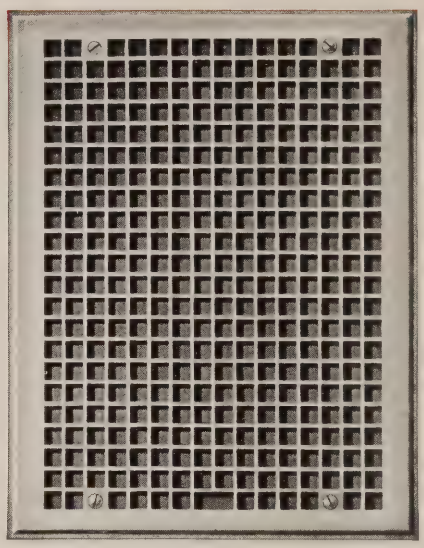
To prevent breakage in shipping, all 4″ Wall Frames are furnished in sections ready to be bolted together, and above prices cover these frames in that condition.

**Unless otherwise specified 4″ Wall Frames are supplied on all orders.** 2″ Wall Frames are not carried in stock. They can be furnished in all sizes up to and including 20 x 20 at the same prices as 4″.

## Register Faces, Cold Air Faces

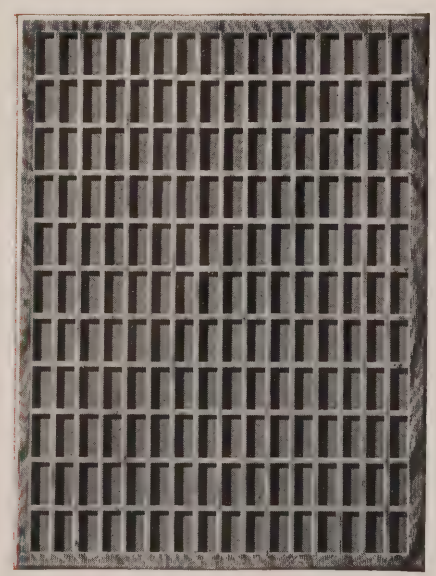


**Style 6**
Cast Iron—Plain Lattice
Made in all Standard Sizes



**Style 7 (No. Bars)**
**Style L (With Bars)**
Steel—Plain Lattice
With offset edges.
All faces 12 inches wide or wider furnished with strengthening bars.

**For List Prices, see Pages 61 to 64**

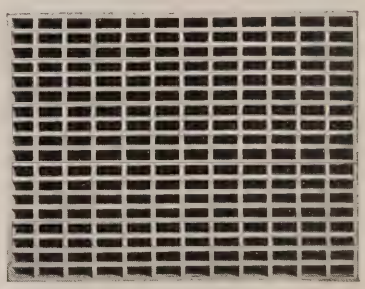


**Style C**
Cast Iron—Oblong Mesh
The Narrow Rim has a Beveled Edge and the Oblong Mesh gives an extra large air capacity.

**Style C**
Made in the following sizes

| Opening Size | Extreme Overall |
|---|---|
| 10 x 30 | 11 x 31 |
| *12 x 18 | 13 x 19 |
| *12 x 24 | 13 x 25 |
| *12 x 30 | 13 x 31 |
| *14 x 20 | 15 x 21 |
| *14 x 22 | 15 x 23 |
| *14 x 30 | 15 x 31 |
| 16 x 20 | 17 x 21 |
| 16 x 24 | 17 x 25 |
| 16 x 28 | 17 x 29 |
| *16 x 30 | 17 x 31 |
| 18 x 24 | 19 x 25 |
| *18 x 30 | 19 x 31 |
| 20 x 20 | 21 x 21 |
| 20 x 24 | 21 x 25 |
| *20 x 30 | 21 x 31 |
| 22 x 22 | 23 x 23 |
| 22 x 30 | 23 x 31 |
| 24 x 24 | 25 x 25 |
| *24 x 30 | 25 x 31 |
| 24 x 36 | 25 x 37 |
| 26 x 26 | 27 x 27 |
| 28 x 28 | 29 x 29 |

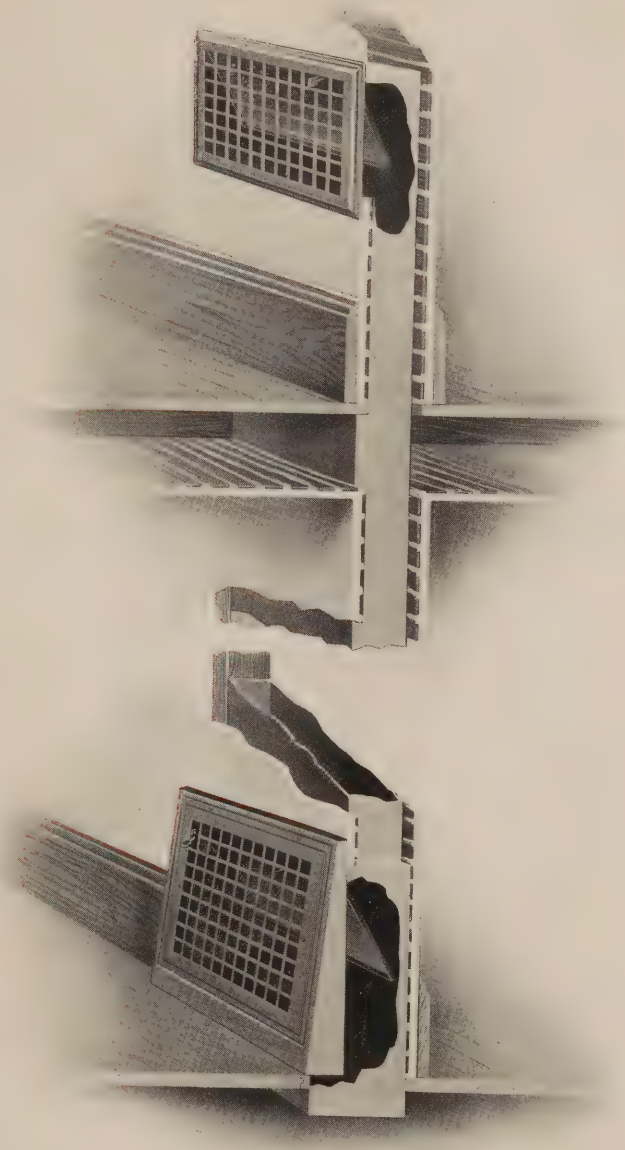
**For List Prices, See Page 70**



**Style W (Wood)**
List Price..$1.00 a square foot
Made in all Standard Sizes

## Registers (Single Valve)

The Single Valve Register is designed to obtain a maximum flow of heated air from shallow flues. Registers of this type are used in the sidewall both at the Baseboard and above it.



**Wafer Registers**

Are single valve Registers for use in the sidewall above the baseboard

**Baseboard Registers**

Are single valve Registers for installation at the Baseboard which is cut out to receive the Register against the finished wall and resting on the Finished Floor.

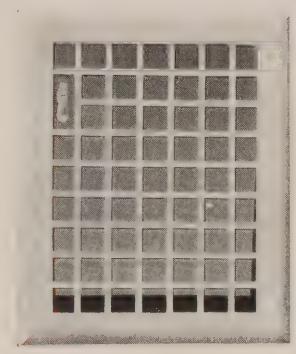
**Wafer Registers.** Details on following page

**Baseboard Registers.** See pages 19 to 22

## Registers (Single Valve) Sidewall

### The T. & B. Reversible WAFER Register For Shallow Flues

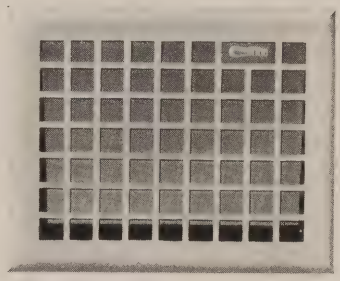
The T. & B. SINGLE VALVE WAFER Registers shown on this page are REVERSIBLE. The SAME Register can be set either VERTICALLY or HORIZONTALLY—a simple patented device allowing the same movement to operate either way.



**Style 16**

**Ferrosteel (Semi-steel)**

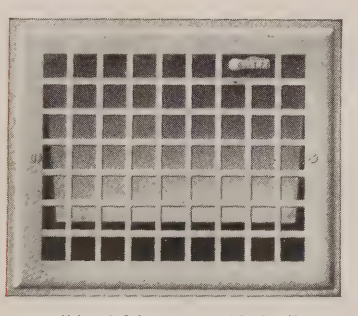
**Plain Lattice Design**



Same Register Sets Either Way

The cast iron face of the Ferrosteel Wafer Register, Style 16, has a rounded rim (beveled edge) allowing a perfect finish against the plaster.

The Convex rims of the All Steel Wafer Register, Style 40, shown below, answer the same purpose.

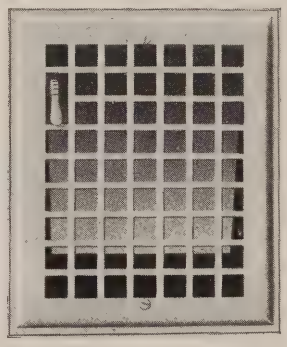


"As Thin as a Wafer"

**Style 40**

**All Steel**

**Plain Lattice Design**



Style 15—The Moorish Design Ferrosteel Wafer Register is supplied only to order. It is not carried in stock.

Style 15 is similar in all respects to Style 16, except in the design of the Face.

**List Prices—All Styles**

| Opening Size | Black Japanned | White Japanned and all Tanbo Finishes | Plated Oxidized Copper | Plated Bronze, Brass or Nickel |
|---|---|---|---|---|
| *8 x 10 | $1.65 | $2.00 | $3.15 | $3.85 |
| *8 x 12 | 1.90 | 2.30 | 3.65 | 4.40 |
| *9 x 12 | 2.10 | 2.55 | 4.00 | 5.10 |
| *10 x 12 | 2.40 | 2.90 | 4.40 | 5.50 |
| 10 x 14 | 3.15 | 3.80 | 5.25 | 6.55 |
| *12 x 14 | 4.35 | 5.25 | 6.85 | 8.25 |
| 12 x 15 | 4.50 | 5.40 | 7.00 | 8.50 |

In ordering Wafer Registers it is NOT necessary to designate whether vertical or horizontal as the registers are reversible.

| Specify thus: | Style | Size | Finish |
|---|---|---|---|
| | 40 | 8 x 10 | White |

## Standard Baseboard Registers

The extreme **depth** of wall pipe which can be installed in ordinary partition walls is 3⅝ **inches.** This dimension is the **standard unit** on which T. & B. Baseboard Registers have been designed.

To obtain varied capacities the pitch of the Register has been increased to fit Register Boxes of several **standard** depths up to 8⅝ inches, **the greatest depth found practical.**

The condition imposed by the standard method of installing 2 x 4 Commercial Studding, at 16-inch centers, limits the **width** of the Register Box and the Register to 14 inches full.

To provide a register for the shallow limits of the wall pipe on the **second floor** (3⅝ inches), a Baseboard Register has been adopted extending a little more than one inch on the floor from the finished wall.

This Register can also be used for small rooms on the **first floor** with a Register Box 5⅝ inches deep, 2 inches deeper than the unit.

Based on the dimensions given above four other standard depths of Baseboard Registers have been designed for **first floor** use, as follows:

To fit a Register Box 6⅛" deep—Extension at the floor line 2¼".

To fit a Register Box 6⅝" deep—Extension at the floor line 3".

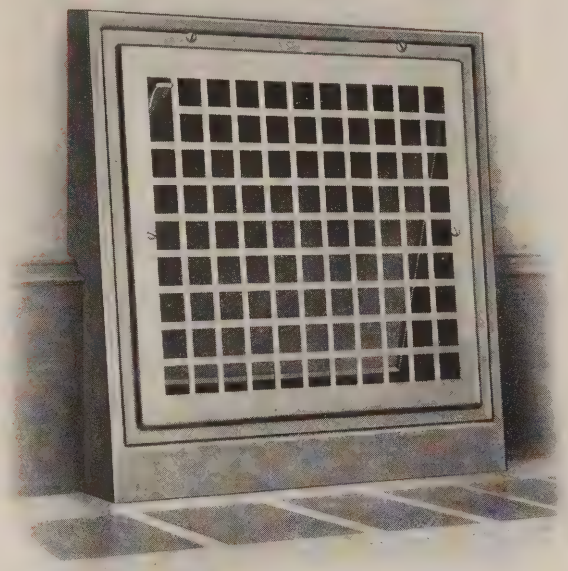
To fit a Register Box 7⅛" deep—Extension at the floor line 3½".

To fit a Register Box 8⅝" deep—Extension at the floor line 5".

For Standard Sizes of Registers made in accordance with these dimensions, see following page.

**All T. & B. Standard Registers are made in accordance with the formula of the experts of the National Warm Air Heating and Ventilating Association That is, 100% CAPACITY**

## Registers (Single Valve) Baseboard (Continued)



Style 900

Style 900 is a two-piece Baseboard Register made throughout of heavy gauge Open Hearth Sheet Steel, the flange being made in a single piece.

The Face is removable and when attached gives the closest fit attainable.

The operating device is positive and self-dependent, requiring no adjustment.

### List Prices

| When Ordering Specify | | Black Japanned | White Japanned and the Tanbo Finishes | Electro-plated | | Depth of Flange D See Cut | Height to Stackhead Opening F See Cut |
|---|---|---|---|---|---|---|---|
| Outside Depth of Stackhead | Size of Opening | | | Oxidized Copper | Nickel Bronze or Dull Brass | | |
| 5⅝ | *8 x 10 | $2.00 | $2.35 | $3.50 | $3.85 | 1¼ in. | 2 in. |
| | *8 x 12 | 2.40 | 2.90 | 3.95 | 4.35 | | |
| | *9 x 12 | 2.50 | 3.00 | 4.00 | 4.40 | | |
| 6⅛ | *8 x 10 | 2.00 | 2.35 | 3.50 | 3.85 | 2¼ in. | 2 in. |
| | *8 x 12 | 2.40 | 2.90 | 3.95 | 4.35 | | |
| | *9 x 12 | 3.00 | 3.50 | 4.50 | 4.90 | | |
| | *10 x 12 | 3.65 | 4.25 | 5.40 | 6.00 | | |
| 6⅝ | *8 x 12 | 2.50 | 3.00 | 4.00 | 4.70 | 3 in. | 2¾ in. See note |
| | *10 x 12 | 3.75 | 4.35 | 5.50 | 6.10 | | |
| | *10 x 13 | 4.00 | 4.60 | 5.75 | 6.35 | | |
| 7⅛ | *12 x 13 | 4.50 | 5.25 | 6.75 | 7.50 | 3½ in. | 2¾ in. See note |
| | *12 x 14 | 5.85 | 6.85 | 8.00 | 9.00 | | |
| 8⅝ | *10 x 12 | 4.50 | 5.40 | 6.50 | 7.50 | 5 in. | 2¾ in. See note |
| | *12 x 13 | 5.25 | 6.00 | 7.50 | 8.25 | | |
| | *12 x 14 | 6.50 | 7.50 | 8.50 | 9.50 | | |

**NOTE: "F" Dimension will later be changed to 2 inches throughout.**

Slots are provided in each side of the flange so that the Register can be attached to the Stackhead by straps. When straps are not used the width of the flange allows the edges of the box to be turned over, as shown in cut on opposite page.

Long wood screws for attaching Register to the Studding are furnished with all Baseboard Registers.

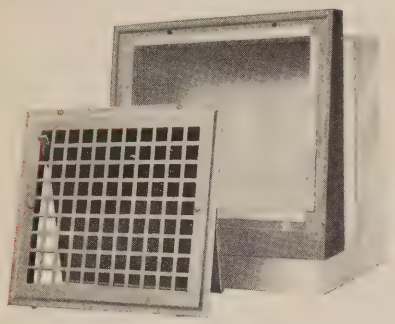
**In ordering ALL Baseboard Registers specify:**

Style — Depth of Stackhead — Size of Opening

**100% CAPACITY**

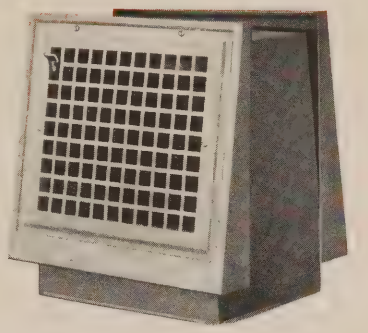
Back View Style 900

## Registers (Single Valve)—Continued
## Baseboard



A Baseboard Register fitted to a stackhead (Register Box)

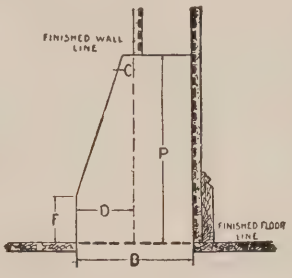
### DIMENSIONS of BASEBOARD REGISTERS and REGISTER BOXES (STACKHEADS)

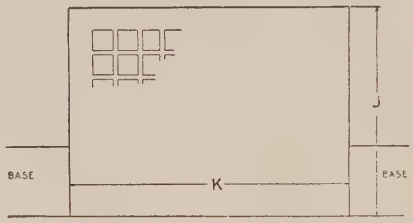


Two Baseboard Registers fitted to one stackhead (Register Box)

**Stackhead Dimensions**

Showing what space to allow for the Stackhead and the height from the finished floor to Register opening.



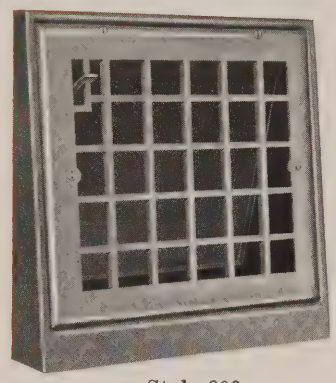




**Register Dimensions**

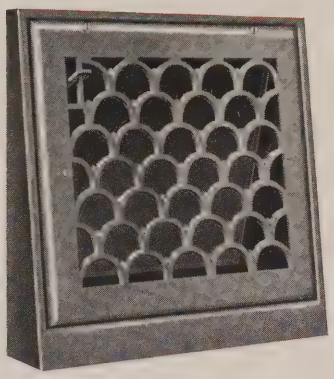
Showing extreme size of Register. Cut Baseboard opening to dimension K.

| Depth of Head B | Use with Register Number | | | Stackhead Dimensions (See Cut Above) C | D | F | P | Register Dimensions Outside Height J | Outside Width K |
|---|---|---|---|---|---|---|---|---|---|
| 5⅝ | 5⅝ | 8 x 10 | ONE REGISTER | 1″ | 1⅛″ | 2″ | 10″ | 11½″ | 13″ |
| 5⅝ | 5⅝ | 8 x 12 | | 1″ | 1⅛″ | 2″ | 10″ | 11½″ | 15″ |
| 5⅝ | 5⅝ | 9 x 12 | | 1″ | 1⅛″ | 2″ | 11″ | 12½″ | 15″ |
| 6⅛ | 6⅛ | 8 x 10 | | 1″ | 1⅞″ | 2″ | 10″ | 11½″ | 13″ |
| 6⅛ | 6⅛ | 8 x 12 | | 1″ | 1⅞″ | 2″ | 10″ | 11½″ | 15″ |
| 6⅛ | 6⅛ | 9 x 12 | | 1″ | 1⅞″ | 2″ | 11″ | 12½″ | 15″ |
| 6⅛ | 6⅛ | 10 x 12 | | 1¼″ | 1⅞″ | 2″ | 12″ | 13½″ | 15″ |
| 6⅝ | 6⅝ | 8 x 12 | | 1″ | 2⅜″ | 2¾″ | 10½″ | 12″ | 15″ |
| 6⅝ | 6⅝ | 10 x 12 | | 1″ | 2⅜″ | 2¾″ | 12½″ | 14″ | 15″ |
| 6⅝ | 6⅝ | 10 x 13 | | 1″ | 2⅜″ | 2¾″ | 12½″ | 14″ | 16″ |
| 7⅛ | 7⅛ | 12 x 13 | | 1″ | 2¾″ | 2¾″ | 14½″ | 16″ | 16″ |
| 7⅛ | 7⅛ | 12 x 14 | | 1″ | 2¾″ | 2¾″ | 14½″ | 16″ | 17″ |
| 8⅝ | 8⅝ | 10 x 12 | | 1″ | 4½″ | 2¾″ | 12″ | 13½″ | 15″ |
| 8⅝ | 8⅝ | 12 x 13 | | 1″ | 4½″ | 2¾″ | 14½″ | 15¾″ | 16″ |
| 8⅝ | 8⅝ | 12 x 14 | | 1″ | 4½″ | 2¾″ | 14½″ | 15¾″ | 17″ |
| 7⅝ | 5⅝ | 8 x 10 | TWO REGISTERS | 1″ | 1⅛″ | 2″ | 10″ | | |
| 7⅝ | 5⅝ | 8 x 12 | | 1″ | 1⅛″ | 2″ | 10″ | | |
| 7⅝ | 5⅝ | 9 x 12 | | 1″ | 1⅛″ | 2″ | 11″ | | |
| 8⅝ | 6⅛ | 8 x 10 | | 1″ | 1⅞″ | 2″ | 10″ | | |
| 8⅝ | 6⅛ | 8 x 12 | | 1″ | 1⅞″ | 2″ | 10″ | | |
| 8⅝ | 6⅛ | 9 x 12 | | 1″ | 1⅞″ | 2″ | 11″ | | |
| 8⅝ | 6⅛ | 10 x 12 | | 1¼″ | 1⅞″ | 2″ | 12″ | | |
| 9⅝ | 6⅝ | 8 x 12 | | 1″ | 2⅜″ | 2¾″ | 10½″ | | |
| 9⅝ | 6⅝ | 10 x 12 | | 1″ | 2⅜″ | 2¾″ | 12½″ | | |
| 9⅝ | 6⅝ | 10 x 13 | | 1″ | 2⅜″ | 2¾″ | 12½″ | | |
| 10⅝ | 7⅛ | 12 x 13 | | 1″ | 2¾″ | 2¾″ | 14½″ | | |
| 10⅝ | 7⅛ | 12 x 14 | | 1″ | 2¾″ | 2¾″ | 14½″ | | |
| 13⅝ | 8⅝ | 10 x 12 | | 1″ | 4½″ | 2¾″ | 12″ | | |
| 13⅝ | 8⅝ | 12 x 13 | | 1″ | 4½″ | 2¾″ | 14½″ | | |
| 13⅝ | 8⅝ | 12 x 14 | | 1″ | 4½″ | 2¾″ | 14½″ | | |

## Registers (Single Valve) Baseboard (Continued)



Style 800



Style 100

**Three Standard T. & B. Designs Available in All Standard Sizes of Baseboard Registers**

Style 44

These three styles are Ferrosteel (Semi-Steel). The Face of the Register is of Cast Iron and is removable and interchangeable. All the other parts are of Wrought Steel and are the same as in Style No. 900.

Each is made in the same sizes as Style No. 900.

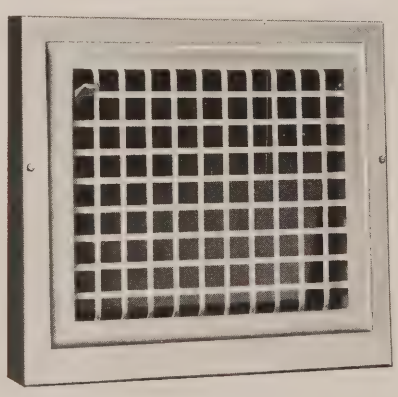
Each style will fit the same stackhead and can be attached by the same methods as Style No. 900.

They are not carried in stock.

Dimensions on page No. 21 are the same for all styles.

The list prices on page No. 20 are the same for all styles.

Style 400



All-Steel One-Piece

This Register is furnished in a limited number of the Standard Sizes.

The Face is *not* removable and wood screws are used for attaching to the studding.

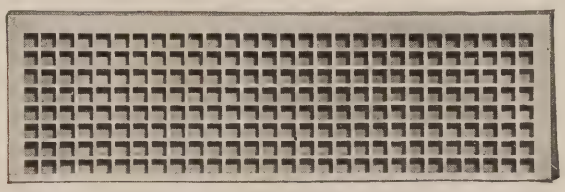
Dimensions are identical with corresponding sizes of Style No. 900. (See page 21.)

**For List Prices, see page 20**

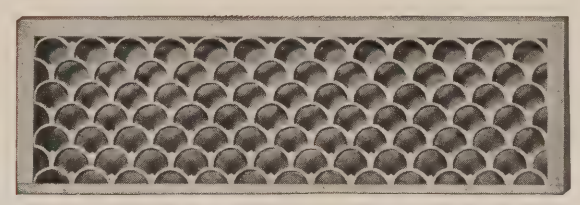
**100% CAPACITY**

## Cold Air Baseboard Intakes

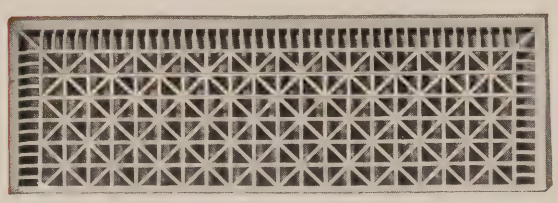
Made in Designs to Match the Different Styles of Baseboard Registers.



Style N 99 (Steel)



**Style N 100 (Cast Iron)**
**To order only. Prices on application**



**Style N 44 (Cast Iron)**
**To order only. Prices on application**

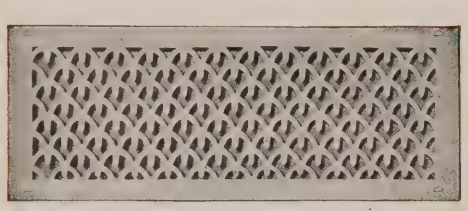
### List Prices—N 99 Only

| Opening Size | Black Japanned | White Japanned and All Tambo Finishes | Oxidized Copper Plated | Nickel or Dull Brass Plated | Depth of Intake | Outside Size |
|---|---|---|---|---|---|---|
| * **5 x 14** | $1.00 | $1.20 | $2.00 | $2.40 | ¾″ | 5½ x 15 |
| * **5 x 30** | 2.15 | 2.60 | 4.60 | 5.00 | ¾″ | 5½ x 31 |
| * **6 x 14** | 1.20 | 1.45 | 2.40 | 2.75 | ¾″ | 6½ x 15 |
| * **6 x 30** | 2.75 | 3.30 | 5.30 | 6.00 | ¾″ | 6½ x 31 |
| * **9 x 14** | 2.50 | 3.00 | 4.50 | 4.80 | 3″ | 11 x 15 |
| * **9 x 30** | 5.00 | 6.00 | 9.00 | 10.00 | 3″ | 11 x 32 |
| ***13 x 30** | 7.00 | 8.40 | 11.00 | 12.00 | 4½″ | 15 x 32 |

In ordering Intakes specify:

| | Quantity | Style | Size | Finish |
|---|---|---|---|---|
| Thus— | One | Style N99 | 5 x 14 | Ox. Cop. |

## Ventilating Plates

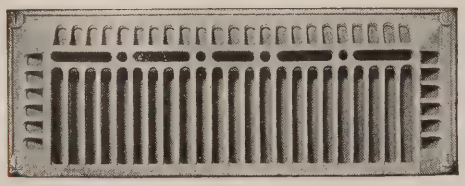


Style V

Mouse-proof Design—Suitable to be set in the Baseboard as Open Ventilators.

### List Prices, Style V

| Size of Opening | Black Japanned | White Japanned and All Tanbo Finishes | Oxidized Copper Plated | Dull Brass or Nickel Plated | Size of Opening | Black Japanned | White Japanned and All Tanbo Finishes | Oxidized Copper Plated | Dull Brass or Nickel Plated |
|---|---|---|---|---|---|---|---|---|---|
| 2 x 4 | $ .25 | $ .30 | $ .35 | $ .40 | 3 x 8 | $ .50 | $ .55 | $ .75 | $ .95 |
| 2 x 5 | .25 | .30 | .40 | .55 | *3 x 9 | .55 | .65 | .90 | 1.10 |
| *2 x 6 | .30 | .35 | .50 | .65 | 3 x 10 | .55 | .65 | 1.00 | 1.20 |
| 2 x 7 | .35 | .40 | .60 | .70 | *3 x 12 | .60 | .70 | 1.10 | 1.45 |
| 2 x 8 | .40 | .45 | .65 | .80 | *3 x 15 | .85 | 1.00 | 1.45 | 1.85 |
| 2 x 9 | .50 | .55 | .75 | .95 | 3 x 18 | 1.00 | 1.15 | 1.70 | 2.10 |
| 2 x 10 | .50 | .60 | .85 | 1.05 | 3 x 20 | 1.10 | 1.25 | 1.95 | 2.35 |
| 2 x 11 | .55 | .65 | .90 | 1.10 | 3 x 24 | 1.35 | 1.50 | 2.30 | 2.90 |
| 2 x 12 | .60 | .70 | 1.00 | 1.20 | 3 x 30 | 1.70 | 1.95 | 2.80 | 3.55 |
| 2 x 13 | .65 | .75 | 1.10 | 1.30 | 3 x 36 | 1.95 | 2.25 | 3.40 | 4.20 |
| 2 x 14 | .75 | .85 | 1.20 | 1.45 | 4 x 6 | .50 | .55 | .75 | .95 |
| 2 x 15 | .75 | .85 | 1.25 | 1.50 | 4 x 7 | .55 | .60 | .85 | 1.05 |
| 2 x 16 | .80 | .90 | 1.35 | 1.60 | 4 x 8 | .60 | .70 | 1.00 | 1.20 |
| 2 x 17 | .85 | 1.00 | 1.45 | 1.70 | *4 x 9 | .65 | .75 | 1.10 | 1.30 |
| 2 x 18 | .95 | 1.10 | 1.50 | 1.85 | 4 x 10 | .75 | .85 | 1.20 | 1.45 |
| 2 x 20 | 1.00 | 1.15 | 1.70 | 1.95 | *4 x 12 | .85 | 1.00 | 1.45 | 1.70 |
| 2 x 22 | 1.10 | 1.25 | 1.80 | 2.25 | 4 x 15 | 1.10 | 1.25 | 1.80 | 2.25 |
| 2 x 24 | 1.20 | 1.40 | 1.95 | 2.35 | 4 x 18 | 1.35 | 1.50 | 2.20 | 2.60 |
| 2 x 30 | 1.45 | 1.65 | 2.40 | 3.00 | 4 x 20 | 1.45 | 1.65 | 2.40 | 2.90 |
| *3 x 6 | .35 | .40 | .60 | .65 | *4 x 24 | 1.70 | 1.95 | 2.90 | 3.55 |
| 3 x 7 | .40 | .45 | .65 | .80 | 4 x 30 | 2.20 | 2.50 | 3.60 | 4.45 |



Style VC

**Convex Baseboard Ventilating Plates**

Style VO

**Round Ventilating Plates**

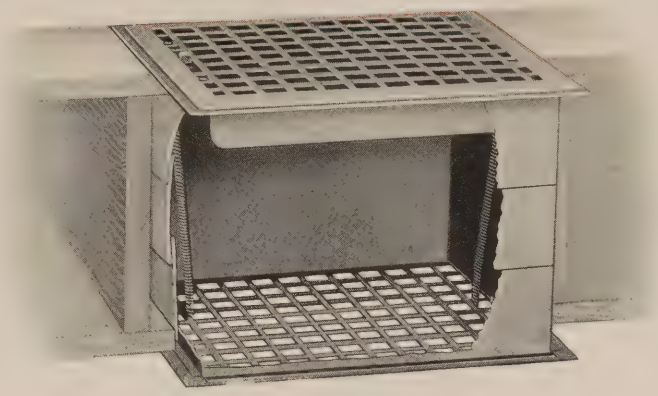
### List Prices, Style VC

| Size of Opening | Black Japanned | White Japanned and All Tanbo Finishes | Oxidized Copper Plated | Dull Brass or Nickel Plated |
|---|---|---|---|---|
| 5 x 14 | $1.20 | $1.40 | $2.10 | $3.00 |
| 5 x 15 | 1.25 | 1.45 | 2.15 | 3.05 |
| 5 x 24 | 1.75 | 2.05 | 3.05 | 3.80 |
| 5 x 30 | 3.20 | 3.70 | 4.70 | 5.00 |
| 6 x 15 | 1.35 | 1.60 | 2.25 | 3.15 |
| 6 x 16 | 1.50 | 1.80 | 2.70 | 3.40 |
| 6 x 18 | 1.70 | 2.00 | 3.00 | 3.75 |
| 6 x 24 | 1.90 | 2.30 | 3.30 | 4.00 |
| 6 x 30 | 3.25 | 3.80 | 4.80 | 5.25 |
| 6 x 32 | 3.30 | 3.90 | 4.95 | 5.50 |
| 6 x 36 | 3.50 | 4.20 | 5.50 | 7.00 |

### List Prices, Style VO

| Size of Opening | Black Japanned | White Japanned and All Tanbo Finishes | Oxidized Copper Plated | Dull Brass or Nickel Plated |
|---|---|---|---|---|
| 3″ | $.20 | $.25 | $ .40 | $ .45 |
| 3½″ | .25 | .30 | .50 | .60 |
| *4″ | .30 | .35 | .60 | .70 |
| 4½″ | .35 | .40 | .75 | .85 |
| *5″ | .50 | .60 | .90 | 1.10 |
| 5½″ | .60 | .70 | 1.10 | 1.25 |
| 6″ | .70 | .80 | 1.25 | 1.50 |

## Adjustable Ventilators



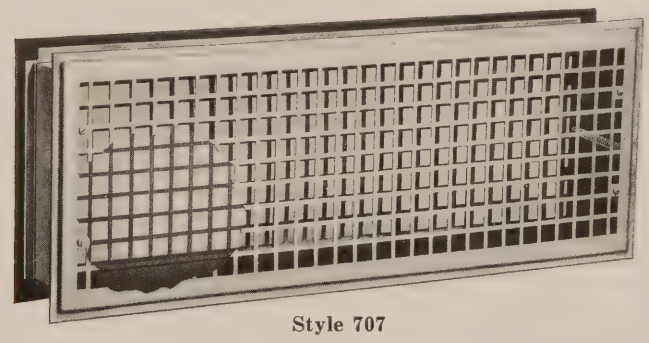
Style 77

**For Admitting to Second Floor Surplus Heat from First Floor**

Each Ventilator consists of a Black Floor Register, a White Ceiling Register Face and a tin box, which is adjustable from 4 to 11 inches in depth.

**List Prices, Style 77**

| Size Opening | List Price | Size of Opening | List Price |
|---|---|---|---|
| * 8 x 10 | $4.40 | *10 x 14 | $ 7.60 |
| * 8 x 12 | 4.80 | *12 x 14 | 10.00 |
| * 9 x 12 | 5.40 | *12 x 15 | 10.40 |
| *10 x 12 | 6.40 | *14 x 16 | 17.00 |



Style 707

**To allow circulation of air between rooms on the same floor. Usually installed over the door.**

Each Ventilator consists of two white steel faces and a tin box adjustable from 4 to 8 inches.

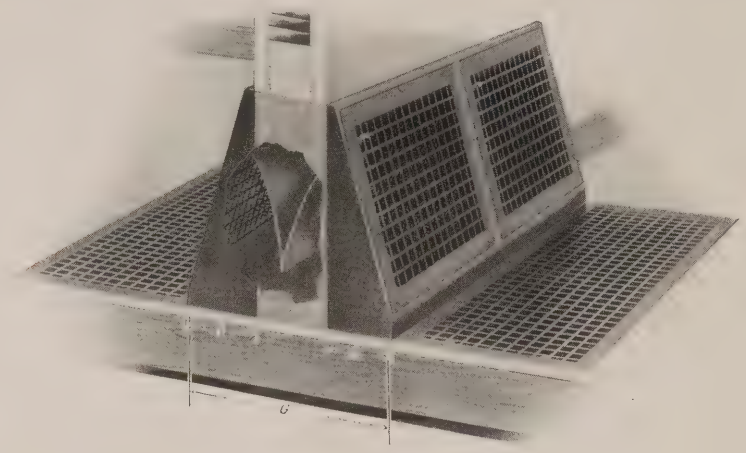
**List Prices, Style 707**

| Size of Opening | List Price | Size of Opening | List Price |
|---|---|---|---|
| * 8 x 24 | $7.60 | *10 x 30 | $ 9.50 |
| * 8 x 30 | 8.50 | *12 x 24 | 9.00 |
| *10 x 24 | 8.30 | *12 x 30 | 10.50 |

In ordering Styles 77 and 707 it is only necessary to specify the style and the size. Thus:

| Style | Size |
|---|---|
| 77 | 8 x 10 |

# Baseboard Registers and Cold Air Faces for Pipeless Furnaces



Style 907

## List Price of Complete Installation, Style 907

| Size of Register Opening | Complete Installation as Shown Above (2 Registers and 2 Cold Air Faces) | | | Use with Round Pipe Size | Size of Boot "G" | Depth of Flange "D" | Extreme Height of Register | Extreme Length of Register | Extreme Size of Cold Air Face |
|---|---|---|---|---|---|---|---|---|---|
| | Black Japan | The Tanbo Finishes | Oxidized Copper Plated | | | | | | |
| **10 x 27** | $25.80 | $31.00 | $41.10 | 18" or 20" | 10 x 27 | 3" | 14" | 30" | 10 x 30 |
| **10 x 29** | 32.60 | 39.80 | 49.00 | 22" | 14 x 29 | 5" | 13½" | 32" | 10 x 32 |
| **12 x 29** | 37.00 | 43.90 | 58.00 | 24" | 14 x 29 | 5" | 15¾" | 32" | 12 x 32 |
| **12 x 33** | 48.50 | 59.20 | 72.50 | 26" or 28" | 14 x 33 | 5" | 15¾" | 36" | 12 x 36 |

### The Valves Can be Operated from Either Room

Each Style No. 907 has our patented equipment allowing the valves to be placed in position shown in above illustration.

If the outlet is to be opened into one room only, open the Register fully and the outlet into the opposite room is automatically fully closed.

In ordering specify Style—Size of Register Opening—Finish thus:
907 10 x 27 Oxidized Copper

## List Price of Each Warm Air Baseboard Register, Style 900

| Size of Register Opening | One Baseboard Register Only | | | Depth of Flange "D" | Extreme Height of Register | Extreme Length of Register |
|---|---|---|---|---|---|---|
| | Black Japan | The Tanbo Finishes | Oxidized Copper Plated | | | |
| **10 x 27** | $ 7.50 | $ 8.70 | $11.00 | 3" | 14" | 30" |
| **10 x 29** | 10.00 | 12.00 | 14.00 | 5" | 13½" | 32" |
| **12 x 29** | 10.50 | 12.00 | 15.00 | 5" | 15¾" | 32" |
| **12 x 33** | 14.50 | 17.40 | 19.50 | 5" | 15¾" | 36" |

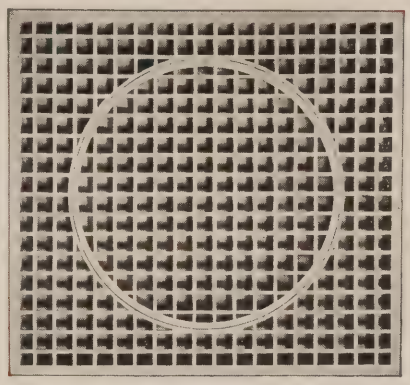
In ordering specify Style—Size of Register Opening—Finish thus:
900 12 x 29 Black

## List Price of Each Cold Air Face, Style L

| Size of Face Opening | One Cold Air Face Only | | | Extreme Size of Cold Air Face |
|---|---|---|---|---|
| | Black Japan | The Tanbo Finishes | Oxidized Copper Plated | |
| **8 x 28** | $5.40 | $6.80 | $9.55 | 10 x 30 |
| **8 x 30** | 6.30 | 7.90 | 10.50 | 10 x 32 |
| **10 x 30** | 8.00 | 9.95 | 14.00 | 12 x 32 |
| **10 x 34** | 9.75 | 12.20 | 16.75 | 12 x 36 |

In ordering specify Style—Size of Face Opening—Finish thus:
L 8 x 28 Black

## Duplex Gratings for Pipeless Furnaces



Style D

### List Prices

| Size Opening | Approximate Extreme Size | Size Collar | Black Japanned | Oxidized Copper Plated |
|---|---|---|---|---|
| **20 x 22** | 22 x 24 | 14 | $22.00 | $27.00 |
| **22 x 24** | 24 x 26 | 16 | 25.00 | 30.50 |
| **24 x 27** | 26 x 29 | 18 | 30.00 | 36.00 |
| **29 x 29** | 31 x 31 | 20 | 39.00 | 45.00 |
| **29 x 29** | 31 x 31 | 22 | 39.00 | 45.00 |
| **30 x 30** | 32 x 32 | 22 | 39.00 | 45.00 |
| **30 x 36** | 32 x 38 | 24 | 43.50 | 52.00 |
| **33 x 33** | 35 x 35 | 24 | 43.50 | 52.00 |
| **34 x 34** | 36 x 36 | 26 | 44.00 | 52.50 |
| **35 x 35** | 37 x 37 | 26 | 48.00 | 56.50 |
| **36 x 36** | 38 x 38 | 28 | 52.00 | 61.00 |
| **40 x 40** | 42 x 42 | 30 | 68.50 | 80.00 |
| **45 x 45** | 47 x 47 | 36 | 90.00 | 105.00 |

Style D is Cast Iron, manufactured in two pieces—the square outside part and the round centre part. The outside rim is of sufficient width to allow the grating to rest solidly on the floor and the depth of the flanges of the outer and inner parts provides for secure and easy setting.

Each grating crated separately.

### FURNACE REGULATOR

**Made of Steel**

In any of the Tanbo Finishes or Electro-plated Oxidized Copper or Dull Brass, or Plated to match sample. Special lettering if desired. Each Regulator is furnished with two feet of chain.

**Prices on application**

## Specialties for Heating and Ventilating

### Chandelier Ventilator

With Chain and Indicators

Tuttle's Patents

This ventilator is more ornamental than the ordinary plaster centerpiece, and being connected with a flue leading to the outer air, affords a perfect outlet for unwholesome gases and heated air.

| SIZE OUTSIDE | Tin Box Opening |
|---|---|
| 18″ | 13¾ |
| 21″ | 15¼ |

Prices on application.

### Carved Ceiling Ventilator

With or Without Valves

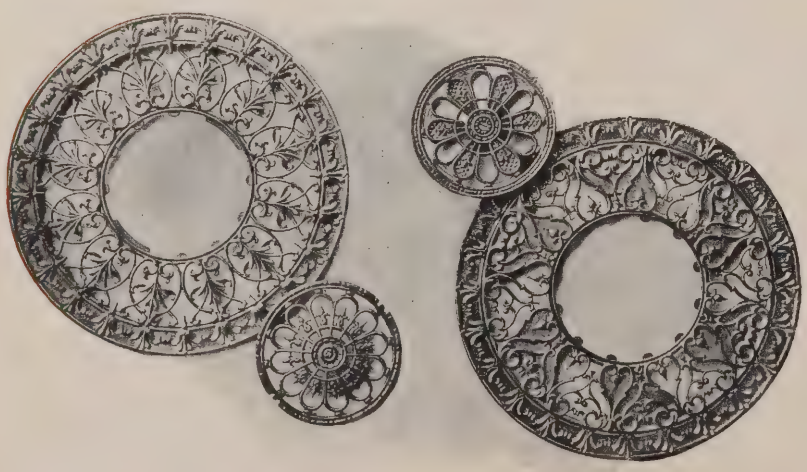
Renaissance Design

For churches and large halls. May be operated by chain from the back or through the face as preferred. Opening through center for gas pipe.

PRICE LIST

| Size of Opening | Approximate Extreme Dimensions | White With Valves | White Face only | Bronzed With Valves | Bronzed Face only | Without Japan With Valves | Without Japan Face only |
|---|---|---|---|---|---|---|---|
| 24″ | 26½″ | $14.95 | $ 6.20 | $18.00 | $11.00 | $13.00 | $4.25 |
| 30″ | 32½″ | 24.50 | 10.50 | 29.40 | 17.50 | 22.25 | 8.25 |
| 36″ | 38¾″ | 40.00 | 15.25 | 48.00 | 27.00 | 37.00 | 12.25 |
| 42″ (Star design only) | 45⅜″ | ..... | 21.25 | ..... | 30.00 | ..... | 17.25 |
| 48″ | 51″ | 60.00 | 26.00 | 70.00 | 36.00 | 55.00 | 21.00 |
| 60″ | 63″ | 110.00 | 38.00 | 120.00 | 48.00 | 105.00 | 32.00 |
| 72″ | 74⅛″ | ..... | 50.00 | ..... | 65.00 | ..... | 43.00 |
| 92″ | 95½″ | ..... | 62.00 | ..... | 75.00 | ..... | 54.00 |

### Twentieth Century Stove Pipe Register and Ceiling Plate



The stove pipe register is finished in Black Japan and the Ceiling Plate in White Japan.

Both have removable caps to be used when stove pipe is taken down.

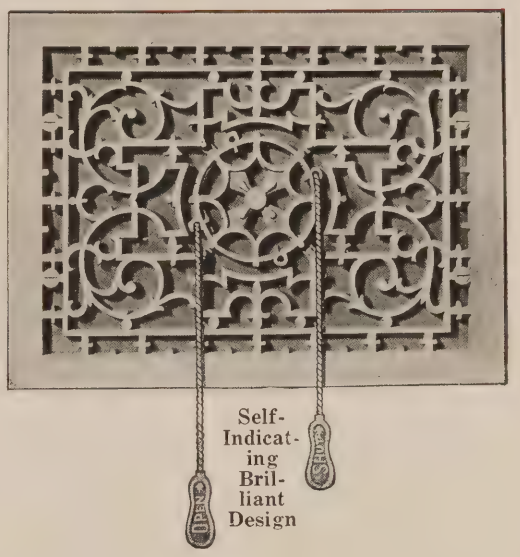
**Price List**

| SIZE OF STOVE PIPE | Black Japanned Register (and Cap) | White Japanned Ceiling Plate (and Cap) |
|---|---|---|
| 6″ | $1.50 | $1.50 |
| 7″ | 1.70 | 1.70 |
| 8″ | 2.00 | 2.00 |
| 9″ | 2.50 | 2.50 |

## Self-Indicating Registers

Self-Indicating Brilliant Design

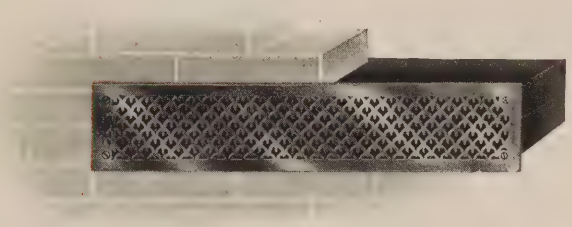
Self - indicating Registers do not require pulleys or other additional fixtures in order to operate by cord. If out of reach, cords can be attached direct to the patent indicating center scroll which shows at a glance whether the valves are open or closed.




Self-Indicating Brilliant Design

For Sizes and List Prices Self-Indicating Registers see page 70

## Cold Air Inlets



4 inches deep
Mouse-proof Design

### Cold Air Inlets

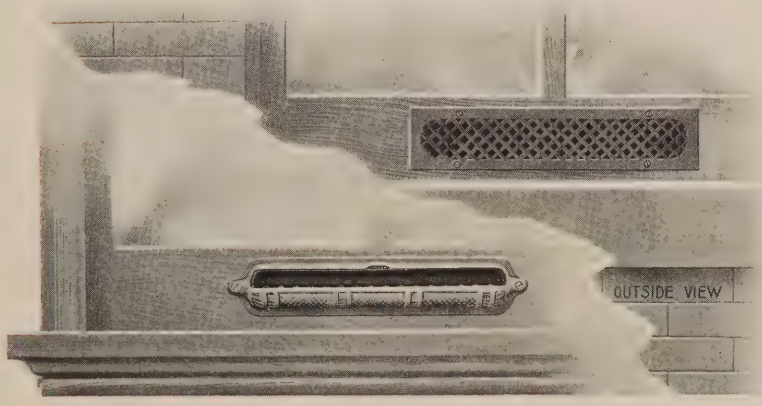
Made in the following Opening Sizes

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 x 4 | 2 x 11 | 2 x 18 | 3 x 6 | 3 x 18 | 4 x 8 | 4 x 24 |
| 2 x 5 | 2 x 12 | 2 x 20 | 3 x 7 | 3 x 20 | 4 x 9 | 4 x 30 |
| 2 x 6 | 2 x 13 | 2 x 22 | 3 x 8 | 3 x 24 | 4 x 10 | 4 x 36 |
| 2 x 7 | 2 x 14 | 2 x 24 | 3 x 9 | 3 x 30 | 4 x 12 | |
| 2 x 8 | 2 x 15 | 2 x 26 | 3 x 10 | 3 x 36 | 4 x 15 | |
| 2 x 9 | 2 x 16 | 2 x 28 | 3 x 12 | 4 x 6 | 4 x 18 | |
| 2 x 10 | 2 x 17 | 2 x 30 | 3 x 15 | 4 x 7 | 4 x 20 | |

**Prices on application**

## Perfection Window-Sash Ventilator

For use in sash rail inside of window with plate for finish on outside




### Perfection Window-Sash Ventilators

Made in the following sizes

| SIZE OF OPENING | Extreme Dimensions of Outside Sash Plate |
|---|---|
| 1½ x 9 | $2\frac{5}{16}$ x $9\frac{13}{16}$ |
| 1½ x 12 | $2\frac{5}{16}$ x $12\frac{5}{8}$ |
| 2 x 9 | $2\frac{13}{16}$ x $9\frac{13}{16}$ |
| 2 x 12 | $2\frac{13}{16}$ x $12\frac{5}{8}$ |

**Prices on application**

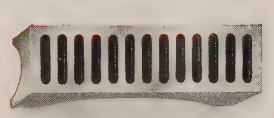
## PEDESTAL REGISTERS

Under some conditions it is an advantage to use a Pedestal Register in place of a floor register. The pedestal contains valves in the base so that the heat may be controlled, and it is placed directly over the opening in the floor. The top is a solid iron plate which serves to deflect the heat.

Pedestals are made in three sizes:

16 x 16 (15⅛ x 15¼ at base)
16 x 21 (15½ x 21 5/16 at base)
21 x 21 (20¾ x 20¾ at base)

The last two sizes can be arranged, if desired, with a shelf which serves as a plate warmer or will hold an evaporator. When furnished with a shelf a door is provided, as shown in the cut. One or more sides of the pedestal can be closed to protect the walls.

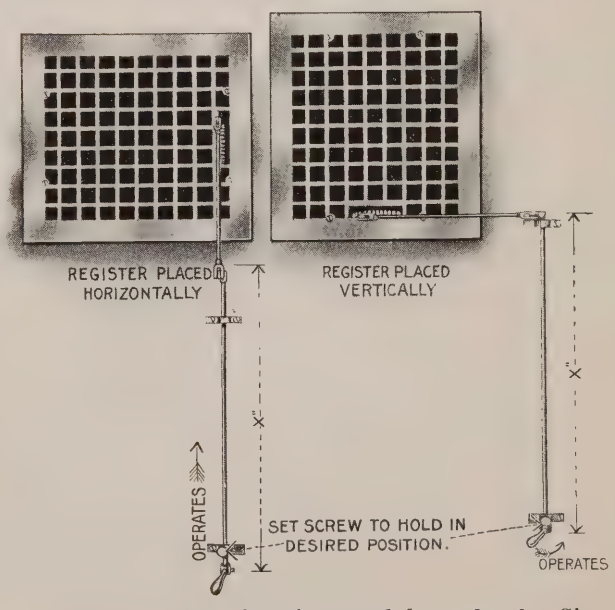


Brick Ventilator
Size of a Brick
2¼ x 8

Door and Frame for access to flues, electric switches, etc.

| Size of Flue Opening | |
|---|---|
| 5⅝ | x 7⅝ |
| 5⅞ | x 8⅜ |
| 5⅝ | x 11 5/16 |
| 6 | x 14 |
| 8 | x 14 |
| 10 | x 12 |
| 12 | x 14 |
| 14 | x 16 |

## LEVER ATTACHMENTS




State size of register and how placed. Give dimension X.

**Prices on application**

*Cast Ferrocraft Grilles*

*Cast Bronze Grilles*

*Cast Brass Grilles*

*Stamped Metal Grilles*
*of Sheet Steel*
*of Sheet Bronze*
*of Sheet Brass*

*Wire Grilles*

*Specification Data*

*General Information*

*Suggestions* *Designs*

## IN SPECIFYING OR ORDERING GRILLES IT IS IMPORTANT TO CONSIDER EACH OF THE FOLLOWING POINTS:

### 1. MATERIAL

State which of the following materials is desired:

**Cast Ferrocraft—Cast Bronze—Cast Brass**

**Stamped Sheet Steel—Stamped Sheet Bronze—Stamped Sheet Brass**
**—Wire**

### 2. SIZES AND DIMENSIONS

For all **Cast** Grilles we must be advised whether size given us is opening "A", extreme "B", or daylight "C" (see section cut on opposite page). As the trade custom is to specify opening size "A", in the absence of information to the contrary we will understand that sizes given us are "A" dimensions.

If extreme "B" is important note that Cast Grilles have the same approximate extreme "B" as Register Faces (see last column, pages 61 to 64).

If exact extreme dimension of any size is necessary, or an approximate extreme other than that of Register Faces, an additional charge is made. The thickness of the rim varies according to the size of the Grille and is always less than the thickness through the fretwork (see section cut on opposite page).

All **Stamped** Grilles should be ordered according to our daylight size (see table, page 37). If, however, the size of the opening to be covered is given us the Grilles will be furnished with the daylight size "C" slightly less than the opening size "A", so that the metal will lap over the edge of the opening.

Unless otherwise specified the rims on Stamped Grilles are made of varying widths from $\frac{5}{8}$" to 1" all around, depending upon the size of the Grilles.

Specifications should state whether sizes given are daylight, extreme, or size of opening to be covered.

**Wire** Grilles, made with Channel or Angle Iron Frames, are ordered according to size of opening to be covered (see page 38).

### 3. FLOOR GRILLES

Note particularly that our Grilles are designed for use in wall, ceiling or radiator enclosure, and are so furnished unless we are advised that they are to go in the floor, in which case they will be made heavier or otherwise strengthened.

### 4. DRILLING

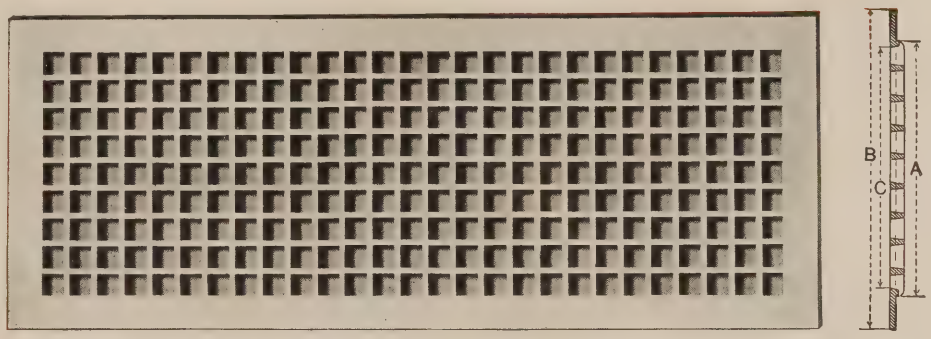
The rims of Grilles will not be drilled unless so ordered. If drilling is required we must know whether for machine screws or countersunk for wood screws; if important, indicate the location of the screws.

### 5. HINGES, HAND HOLE DOORS, SPECIAL DESIGNS, CURVING, ETC.

It is necessary for us to know the location of hinges or hand hole doors, and which way special design goods set (whether with the long dimension vertical or horizontal).

On curved Grilles we must know the radius, whether the face of the Grille is curved convex or concave, whether the long way or the short way, and whether the dimensions given us are along the chord or the arc.

# Cast Ferrocraft Plain Lattice Grilles




Style 1

## Cast Ferrocraft Plain Lattice Grille

The standard design for Ferrocraft Grilles is Plain Lattice, of the construction as shown above. The mesh is approximately 7/8".

They are primarily for use in the sidewall, ceiling or radiator enclosure and are delicate castings, carefully filed out by hand, as are all Ferrocraft goods.

They are made regularly in the following sizes, the dimensions given being size "A" in the sectional cut above. The sizes printed in black are carried in semi-finished stock for prompt shipment; sizes in red are made to order only. Any sizes not shown in the following list require pattern work.

Prices for these goods in any size and finish will be furnished upon application accompanied by definite list giving quantity, sizes and finishes required.

### Standard Sizes

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 4 x 6 | 6 x 6 | 8 x 12 | 9 x 28 | 12 x 16 | 14 x 40 | 18 x 24 | 22 x 30 | 27 x 27 |
| 4½ x 6½ | 6 x 8 | 8 x 13 | 9 x 30 | 12 x 17 | 14 x 48 | 18 x 27 | 22 x 32 | 27 x 38 |
| 4 x 8 | 6 x 9 | 8 x 14 | 9 x 32 | 12 x 18 | | 18 x 28 | 22 x 36 | |
| 4 x 10 | 6 x 10 | 8 x 15 | 9 x 36 | 12 x 19 | 15 x 15 | 18 x 30 | 22 x 38 | 28 x 28 |
| 4 x 12 | 6 x 12 | 8 x 16 | | 12 x 20 | 15 x 21 | 18 x 36 | 22 x 40 | 28 x 30 |
| 4 x 13 | 6 x 14 | 8 x 18 | 10 x 10 | 12 x 22 | 15 x 25 | 18 x 48 | 22 x 42 | 28 x 32 |
| 4 x 15 | 6 x 16 | 8 x 20 | 10 x 12 | 12 x 24 | 15 x 30 | | | 28 x 34 |
| 4 x 18 | 6 x 18 | 8 x 21 | 10 x 14 | 12 x 26 | 15 x 34 | 20 x 20 | | 28 x 36 |
| 4 x 21 | 6 x 20 | 8 x 24 | 10 x 15 | 12 x 28 | 15 x 36 | 20 x 22 | 24 x 24 | 28 x 40 |
| 4 x 24 | 6 x 22 | 8 x 27 | 10 x 16 | 12 x 30 | | 20 x 24 | 24 x 26 | |
| 4 x 28 | 6 x 24 | 8 x 30 | 10 x 18 | 12 x 32 | 16 x 16 | 20 x 26 | 24 x 27 | 30 x 30 |
| 4 x 30 | 6 x 28 | 8 x 36 | 10 x 20 | 12 x 36 | 16 x 18 | 20 x 28 | 24 x 30 | 30 x 32 |
| | 6 x 30 | 8 x 48 | 10 x 22 | 12 x 40 | 16 x 20 | 20 x 30 | 24 x 32 | 30 x 34 |
| | 6 x 32 | | 10 x 24 | 12 x 48 | 16 x 22 | 20 x 32 | 24 x 36 | 30 x 36 |
| 5 x 8 | 6 x 36 | 9 x 9 | 10 x 30 | | 16 x 24 | 20 x 36 | 24 x 40 | 30 x 40 |
| 5 x 9 | | 9 x 12 | 10 x 36 | 14 x 14 | 16 x 28 | 20 x 48 | 24 x 42 | 30 x 42 |
| 5 x 10 | 7 x 7 | 9 x 13 | 10 x 40 | 14 x 15 | 16 x 30 | | 24 x 45 | 30 x 48 |
| 5 x 11 | 7 x 9 | 9 x 14 | 10 x 48 | 14 x 16 | 16 x 32 | 21 x 21 | 24 x 48 | |
| 5 x 12 | 7 x 10 | 9 x 15 | 11 x 17 | 14 x 18 | 16 x 36 | 21 x 25 | | 36 x 36 |
| 5 x 13 | 7 x 12 | 9 x 16 | 11 x 18 | 14 x 20 | 16 x 42 | 21 x 29 | 26 x 26 | 36 x 40 |
| 5 x 14 | 7 x 14 | 9 x 18 | 11 x 20 | 14 x 22 | | | 26 x 28 | 36 x 42 |
| 5 x 15 | 7 x 15 | 9 x 20 | | 14 x 24 | 18 x 18 | 22 x 22 | 26 x 30 | 36 x 48 |
| 5 x 16 | | 9 x 22 | 12 x 12 | 14 x 28 | 18 x 20 | 22 x 24 | 26 x 32 | 38 x 38 |
| 5 x 17 | 8 x 8 | 9 x 24 | 12 x 14 | 14 x 30 | 18 x 21 | 22 x 26 | 26 x 34 | 38 x 40 |
| 5 x 18 | 8 x 10 | 9 x 26 | 12 x 15 | 14 x 36 | 18 x 22 | 22 x 28 | 26 x 36 | 38 x 42 |

NOTES:

(a) If Grilles are intended for floor use it must be so specified, as they must be made to order in heavy stock.

(b) In the section cut above "A" is the body size (size of opening to be covered). "B" is the extreme outside dimension, and "C" is the daylight opening (free air opening).

(c) Unless otherwise stated we assume that sizes on lists given us are body sizes "A".

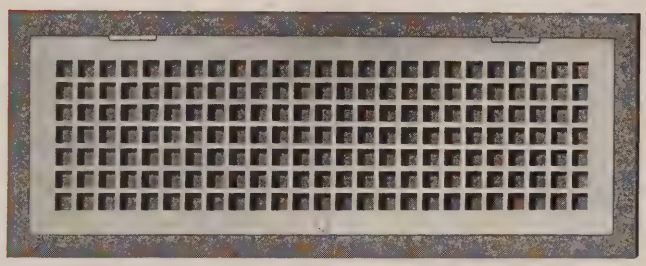
(d) The rims on these goods vary in width according to the size of the Grille, the thickness of the rim being less than that of the fretwork. The APPROXIMATE extremes "B" are the same as for Register Faces as shown on last column in price list on pages 61 to 64. If catalogue exact extreme dimension "B," or other special exact extreme, is desired it should be so stated when ordering or in requesting estimate.

(e) Plain Lattice Grilles can also be cast in Solid Bronze or Brass.

## Grilles (Continued)

Methods of fastening Grilles and providing means of access to steam valves or for cleaning purposes are shown below. Any of the Steel Grilles or special design Grilles can be similarly arranged.

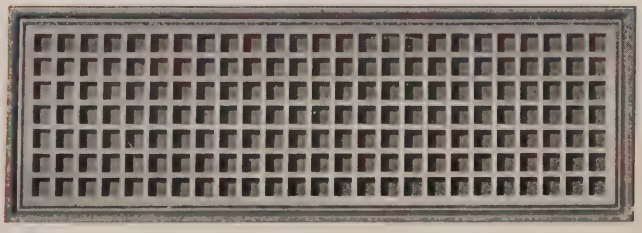
Grille Hinged to Woodwork



Grille Hinged to Angle Frame

Grille With Door in Fretwork

Grille Attached to Iron Wall Frame



Grille Held in Place by Wood Moulding

## Grilles (Continued)

### An aid in ordering Cast or Steel Grilles

Showing 6 methods of attaching Grilles (any design) to wood, marble or sheet metal duct.

On measurements we always allow 1/8" or less for clearance.

FIG. 1

GRILLE FASTENED OVER WOOD OR MARBLE OPENING

FIG. 2

GRILLE FASTENED IN RABBETTED WOOD OR MARBLE

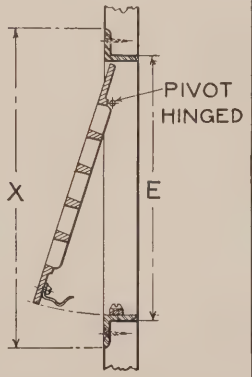
FIG. 3

HINGED GRILLE FASTENED TO WOOD WORK INSIDE OF OPENING

FIG. 4

GRILLE HINGED TO ANGLE FRAME FASTENED OVER WOOD OR MARBLE

FIG. 5



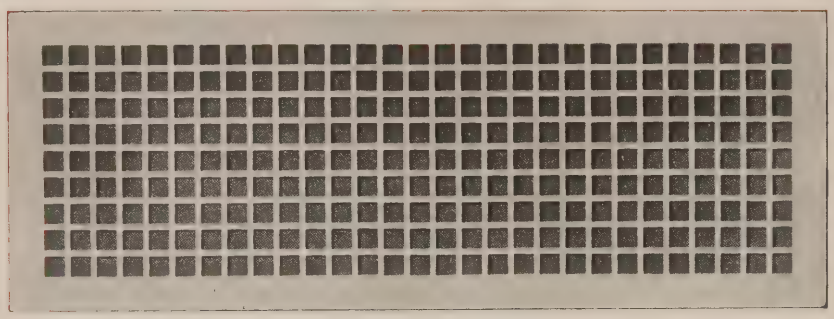

GRILLE HINGED TO ANGLE FRAME SET IN RABBETTED WOOD OR MARBLE

FIG. 6

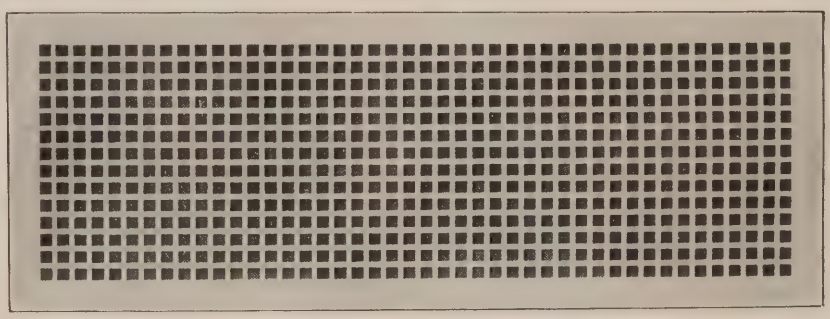
GRILLE FASTENED TO SHEET METAL DUCT WITH STEEL BAND FRAME

| | |
|---|---|
| FIG. 1 | GIVE SIZE OF OPENING "A" ONLY |
| FIG. 2 | GIVE SIZE OF OPENING "A" AND EXTREME SIZE "B" |
| FIG. 3 | GIVE DIMENSION "D" ONLY |
| FIG. 4 | GIVE DIMENSION "E" ONLY |
| FIG. 5 | GIVE DIMENSION "E" AND EXTREME SIZE "X" |
| FIG. 6 | GIVE SIZE OF OPENING "A" ONLY |
| NOTE | WHEN ORDERING PLEASE STATE WHETHER GRILLES ARE TO BE DRILLED FOR ROUND OR FLAT HEAD, MACHINE SCREWS, WOOD SCREWS, OR EXPANSION BOLTS AND WHEN ORDERING HINGED GRILLES STATE WHETHER HINGES ARE TO BE ON LONG OR SHORT SIDE |

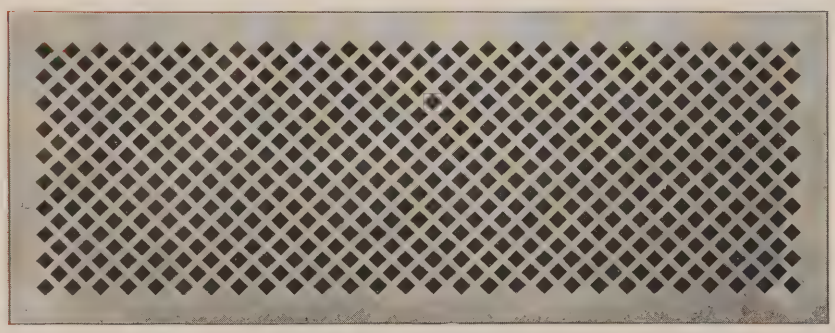
## Steel Grilles



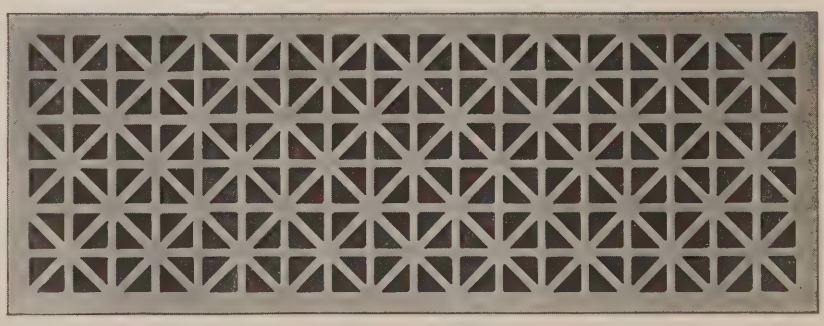
Style "O1" Standard ⅞-in. Square Mesh Grille



Style "O2" ½-in. Square Mesh Grille



Style "O3" ½-in. Diagonal Mesh Grille



Style "O4" 4-in. Grecian Mesh Grille

Steel Grilles can be furnished in Prime Coat ready for painting, Black or White Japanned, in any Tanbo finish, or Electro Plated any standard finish or to match sample. Any of these designs can also be stamped from **sheet brass or bronze.**

If so specified holes can be drilled in the rims, in which case state whether the Grilles are to be attached to woodwork, iron framing or marble. The rims will not be drilled unless so ordered.

# Steel Grilles (Continued)

For convenience in laying out opening sizes which will correspond as nearly as possible to the daylight openings, the table below is given, showing the daylight openings as they work out for each of the four designs shown on the opposite page by using various numbers of punched holes or units.

In sectional cut at right it will be noted that "C" is the daylight opening and "B" the extreme dimension of the Grille. The latter can be any desired size except that if both daylight and extreme dimensions are specified the rims may not work out evenly all around.

Where daylight size is specified with no extreme given we make the rims approximately 5/8" to 1" all around over daylight size. Where opening in wall and extreme size of Grille is given we make the daylight opening the closest approximation to wall opening that will allow a slight overlap of material over opening. It is desirable, however, that daylight opening should be specified so that it will work out to the dimensions indicated in the table.

**"B" dimensions as desired. Unless otherwise ordered, rims will vary from 5/8 inch to 1 inch, all around, according to size of grille.**

## Daylight Openings "C" for Steel Grilles of Designs 01, 02, 03 and 04

| Number of Punch Holes or Units | Size of Opening C, Inches | | | | Number of Punch Holes or Units | Size of Opening C, Inches | | | Number of Punch Holes or Units | Size of Opening C, Inches | | | Number of Punch Holes or Units | Size of Opening C, Inches | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 01 | 02 | 03 | 04 | | 01 | 02 | 03 | | 01 | 02 | 03 | | 01 | 02 | 03 |
| 1 | 27/32 | 1/2 | 1 3/32 | 3 1/2 | 25 | 26 1/8 | 17 | 24 7/16 | 49 | 51 3/8 | 33 1/2 | 47 3/4 | 73 | 76 21/32 | 50 | 71 3/32 |
| 2 | 1 29/32 | 1 3/16 | 2 1/16 | 7 3/8 | 26 | 27 5/32 | 17 11/16 | 25 13/32 | 50 | 52 7/16 | 34 3/16 | 48 23/32 | 74 | 77 23/32 | 50 11/16 | 72 1/16 |
| 3 | 2 15/16 | 1 7/8 | 3 1/32 | 11 1/4 | 27 | 28 7/32 | 18 3/8 | 26 3/8 | 51 | 53 1/2 | 34 7/8 | 49 11/16 | 75 | 78 25/32 | 51 3/8 | 73 1/32 |
| 4 | 4 | 2 9/16 | 4 | 15 1/8 | 28 | 29 9/32 | 19 1/16 | 27 1/32 | 52 | 54 17/32 | 35 9/16 | 50 21/32 | 76 | 79 27/32 | 52 1/16 | 74 |
| 5 | 5 1/16 | 3 1/4 | 5 | 19 | 29 | 30 5/16 | 19 3/4 | 28 5/16 | 53 | 55 9/32 | 36 1/4 | 51 27/32 | 77 | 80 7/8 | 52 3/4 | 74 31/32 |
| 6 | 6 3/32 | 3 15/16 | 5 31/32 | 22 7/8 | 30 | 31 3/8 | 20 7/16 | 29 9/32 | 54 | 56 21/32 | 36 15/16 | 52 5/8 | 78 | 81 15/16 | 53 7/16 | 75 15/16 |
| 7 | 7 5/32 | 4 5/8 | 6 15/16 | 26 3/4 | 31 | 32 7/16 | 21 1/8 | 30 1/4 | 55 | 57 23/32 | 37 5/8 | 53 19/32 | 79 | 83 | 54 1/8 | 76 29/32 |
| 8 | 8 7/32 | 5 5/16 | 7 29/32 | 30 5/8 | 32 | 33 15/32 | 21 13/16 | 31 7/32 | 56 | 58 3/4 | 38 5/16 | 54 9/16 | 80 | 84 1/32 | 54 13/16 | 77 7/8 |
| 9 | 9 9/32 | 6 | 8 7/8 | 34 1/2 | 33 | 34 17/32 | 22 1/2 | 32 3/16 | 57 | 59 13/16 | 39 | 55 17/32 | 81 | 85 3/32 | 55 1/2 | 78 27/32 |
| 10 | 10 5/16 | 6 11/16 | 9 27/32 | 38 3/8 | 34 | 35 19/32 | 23 3/16 | 33 3/16 | 58 | 60 27/32 | 39 11/16 | 56 1/2 | 82 | 86 5/32 | 56 3/16 | 79 13/16 |
| 11 | 11 3/8 | 7 3/8 | 10 13/16 | 42 1/4 | 35 | 36 5/8 | 23 7/8 | 34 5/32 | 59 | 61 29/32 | 40 3/8 | 57 15/32 | 83 | 87 7/32 | 56 7/8 | 80 13/16 |
| 12 | 12 7/16 | 8 1/16 | 11 25/32 | 46 1/8 | 36 | 37 11/16 | 24 9/16 | 35 1/8 | 60 | 62 31/32 | 41 1/16 | 58 7/16 | 84 | 88 1/4 | 57 9/16 | 81 25/32 |
| 13 | 13 15/32 | 8 3/4 | 12 25/32 | 50 | 37 | 38 3/4 | 25 1/4 | 36 3/32 | 61 | 64 1/32 | 41 3/4 | 59 13/32 | 85 | 89 5/16 | 58 1/4 | 82 3/4 |
| 14 | 14 17/32 | 9 7/16 | 13 23/32 | 53 7/8 | 38 | 39 25/32 | 25 15/16 | 37 1/16 | 62 | 65 3/32 | 42 7/16 | 60 3/8 | 86 | 90 3/8 | 58 15/16 | 83 23/32 |
| 15 | 15 19/32 | 10 1/8 | 14 23/32 | 57 3/4 | 39 | 40 27/32 | 26 5/8 | 38 1/32 | 63 | 66 5/32 | 43 1/8 | 61 3/8 | 87 | 91 13/32 | 59 5/8 | 84 11/16 |
| 16 | 16 5/8 | 10 13/16 | 15 11/16 | 61 5/8 | 40 | 41 29/32 | 27 5/16 | 39 | 64 | 67 3/16 | 43 13/16 | 62 11/32 | 88 | 92 15/32 | 60 5/16 | 85 21/32 |
| 17 | 17 11/16 | 11 1/2 | 16 21/32 | 65 1/2 | 41 | 42 31/32 | 28 | 39 31/32 | 65 | 68 1/4 | 44 1/2 | 63 5/16 | 89 | 93 17/32 | 61 | 86 5/8 |
| 18 | 18 3/4 | 12 3/16 | 17 5/8 | 69 3/8 | 42 | 44 | 28 11/16 | 40 15/16 | 66 | 69 9/32 | 45 3/16 | 64 9/32 | 90 | 94 9/16 | 61 11/16 | 87 19/32 |
| 19 | 19 25/32 | 12 7/8 | 18 19/32 | 73 1/4 | 43 | 45 1/16 | 29 3/8 | 41 29/32 | 67 | 70 11/32 | 45 7/8 | 65 1/4 | 91 | 95 5/8 | 62 3/8 | 88 9/16 |
| 20 | 20 27/32 | 13 9/16 | 19 9/16 | 77 1/8 | 44 | 46 1/8 | 30 1/16 | 42 29/32 | 68 | 71 13/32 | 46 9/16 | 66 7/32 | 92 | ..... | 63 1/16 | 89 17/32 |
| 21 | 21 29/32 | 14 1/4 | 20 17/32 | 81 | 45 | 47 5/32 | 30 3/4 | 43 1/8 | 69 | 72 15/32 | 47 1/4 | 67 3/16 | 93 | ..... | 63 3/4 | 90 17/32 |
| 22 | 22 31/32 | 14 15/16 | 21 1/2 | 84 7/8 | 46 | 48 7/32 | 31 7/16 | 44 27/32 | 70 | 73 1/2 | 47 15/16 | 68 5/32 | 94 | ..... | 64 7/16 | 91 1/2 |
| 23 | 24 | 15 5/8 | 22 15/32 | 88 3/4 | 47 | 49 9/32 | 32 1/8 | 45 13/16 | 71 | 74 9/16 | 48 5/8 | 69 1/8 | 95 | ..... | 65 1/8 | 92 15/32 |
| 24 | 25 1/16 | 16 5/16 | 23 7/16 | 92 5/8 | 48 | 50 11/32 | 32 13/16 | 46 25/32 | 72 | 75 5/8 | 49 5/16 | 70 3/32 | 96 | ..... | 65 13/16 | 93 7/16 |
| | | | | | | | | | | | | | 97 | ..... | 66 1/2 | 94 13/16 |

## Additional Daylight Openings "C" for Steel Grilles of Design 02

| Number of Punch Holes or Units | Size of Opening C, Inches | Number of Punch Holes or Units | Size of Opening C, Inches | Number of Punch Holes or Units | Size of Opening C, Inches | Number of Punch Holes or Units | Size of Opening C, Inches |
|---|---|---|---|---|---|---|---|
| | 02 | | 02 | | 02 | | 02 |
| 98 | 67 3/16 | 108 | 74 1/16 | 118 | 80 15/16 | 128 | 87 13/16 |
| 99 | 67 7/8 | 109 | 74 3/4 | 119 | 81 5/8 | 129 | 88 1/2 |
| 100 | 68 9/16 | 110 | 75 7/16 | 120 | 82 5/16 | 130 | 89 3/16 |
| 101 | 69 1/4 | 111 | 76 1/8 | 121 | 83 | 131 | 89 7/8 |
| 102 | 69 15/16 | 112 | 76 13/16 | 122 | 83 11/16 | 132 | 90 9/16 |
| 103 | 70 5/8 | 113 | 77 1/2 | 123 | 84 3/8 | 133 | 91 1/4 |
| 104 | 71 5/16 | 114 | 78 3/16 | 124 | 85 1/16 | 134 | 91 15/16 |
| 105 | 72 | 115 | 78 7/8 | 125 | 85 3/4 | 135 | 92 5/8 |
| 106 | 72 11/16 | 116 | 79 9/16 | 126 | 86 7/16 | 136 | 93 5/16 |
| 107 | 73 3/8 | 117 | 80 1/4 | 127 | 87 1/8 | 137 | 94 |

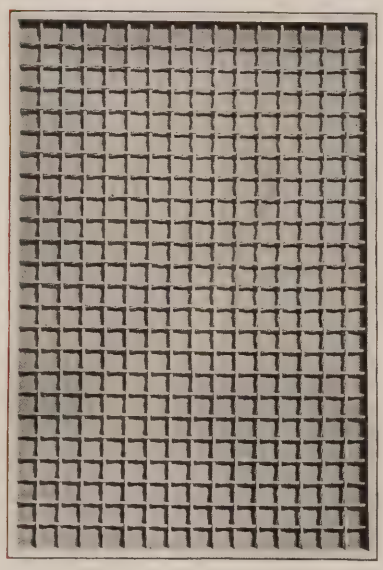
**Gauge: For Sheet Steel—U. S. Standard.**
**For Sheet Bronze and Brass—Brown & Sharpe Standard.**

## Wire Grilles

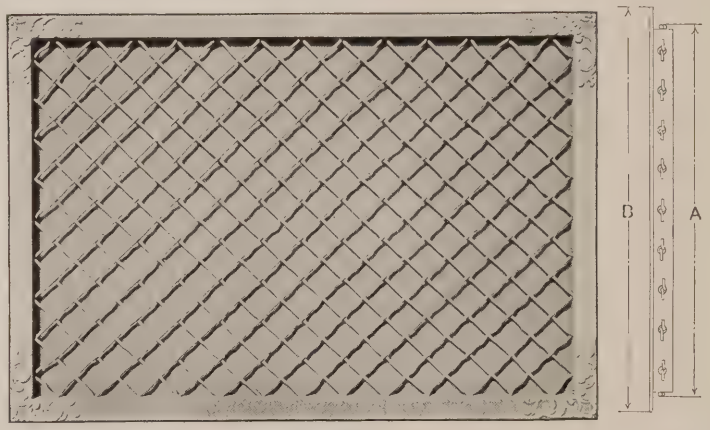
### Important Points

In requesting estimates or ordering Wire Grilles please note that we require information on each of the following points:

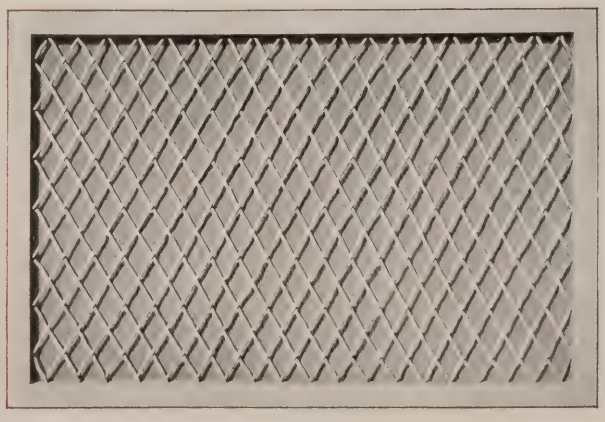
1. Style of Frame. (Channel Iron, Ornamental Angle Iron, etc.)
2. Style of Mesh. (001, 002, 003, etc.)
3. Size of Mesh. (½", ¾", 1", etc.)
4. Gauge of Wire. (No. 8, No. 10, No. 12, etc.)
5. Finish. (Black, White, Plated, etc.)
6. Size of Grille. Unless otherwise stated we assume that sizes given us are the outside dimensions "B" of Channel Iron Frames or the inside dimensions (Opening Sizes) "A" of Angle Iron Frames.
7. Drilling. If so specified holes can be drilled in the rims, in which case state whether the Grilles are to be attached to woodwork, iron framing or marble. The rims will not be drilled unless so ordered.



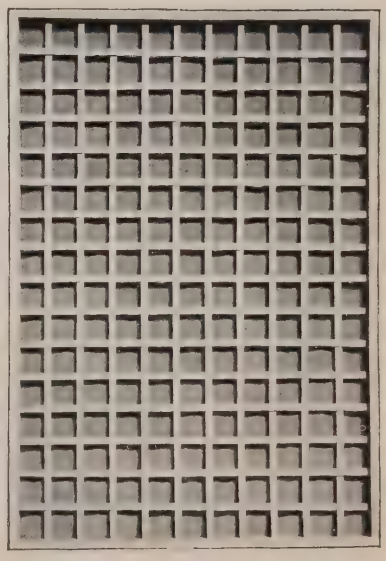
**Style 001**
With Channel Frame




**Style 002**
With Ornamental Angle Frames

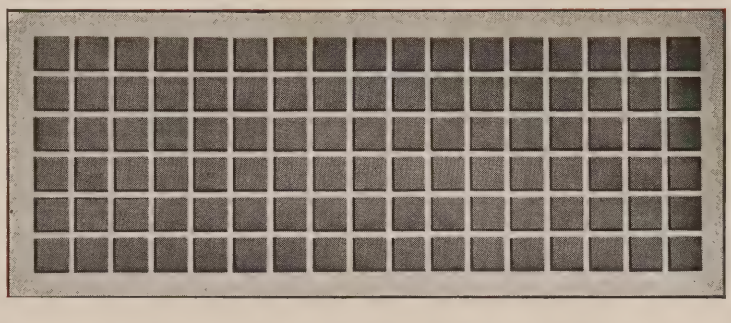


**Style 003**
With Mitred Angle Frame
Height and Width must be designated

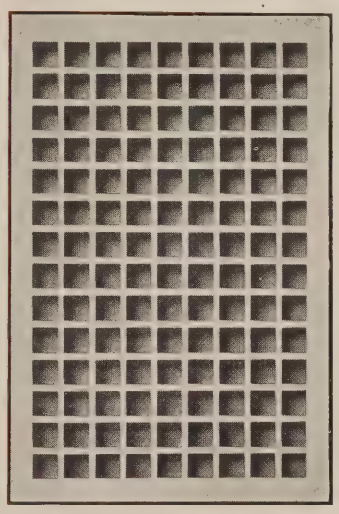


**Style 004**
With Channel Frame

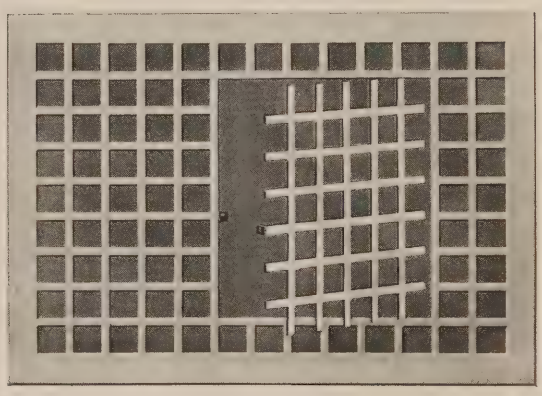
## Specialties



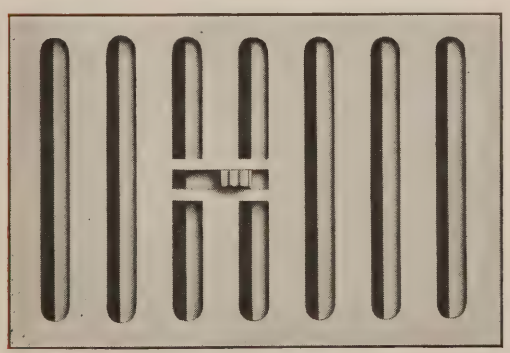
1½" Square Mesh Cast Iron Grille—especially adapted to Public Schools because of its large capacity



Plain Lattice Cast Iron Grille with copper wire netting soldered to back to prevent objects from falling through the openings

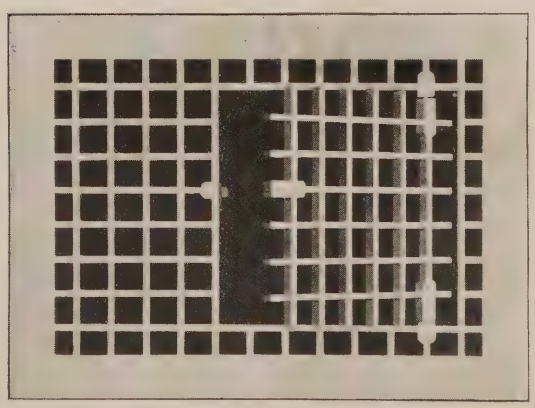


Plain Lattice Steel Grille with Hand Hole Door for access to Radiator valve. Designate Height and Width of Grille and location of door



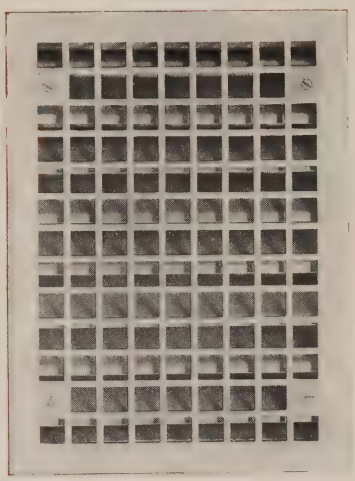
**Sliding Dampers**

Height and Width must be designated. Usually set in flues and fastened by means of Angle Lugs

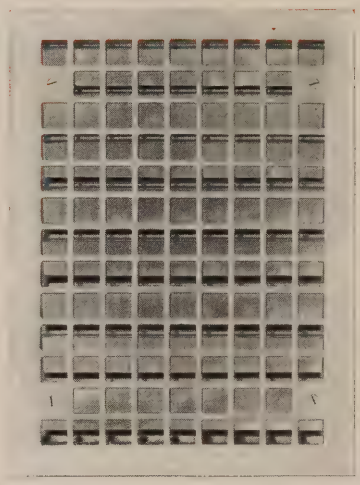


Plain Lattice Cast Iron Grille with Hand Hole Door for access to Radiator valve. Designate Height and Width of Grille and location of door

## Specialties

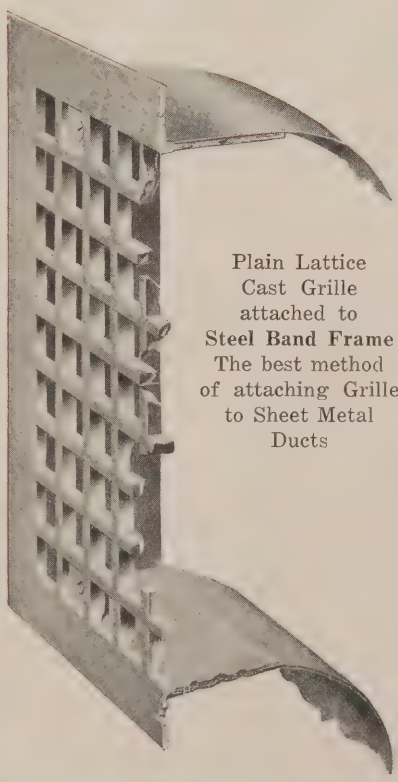


Steel Grille ⅞″ Square Mesh with Stationary Louvres riveted to Steel Band Frame

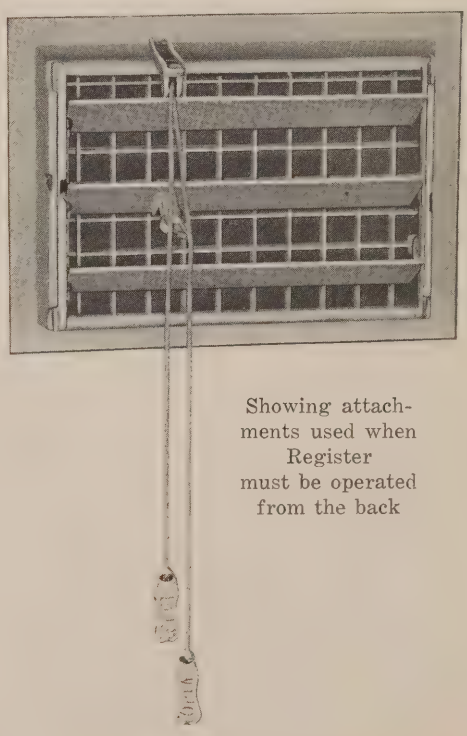


Steel Grille ⅞″ Square Mesh with Mica Louvres hung on Round Rods

In ordering Height and Width must be designated

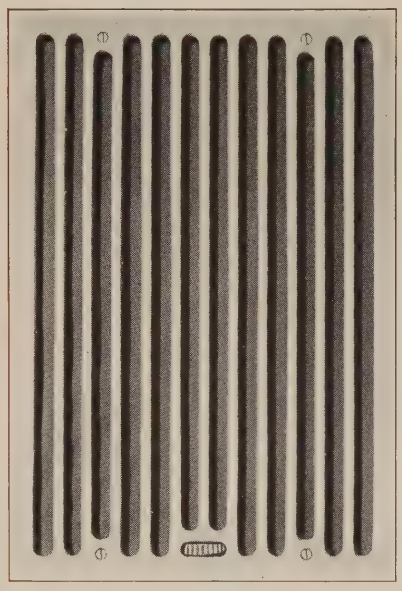


Plain Lattice Cast Grille attached to **Steel Band Frame** The best method of attaching Grille to Sheet Metal Ducts



Showing attachments used when Register must be operated from the back

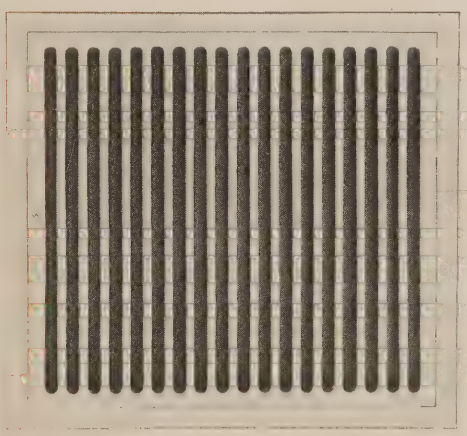
## Sanitary Registers and Grilles—For Hospitals



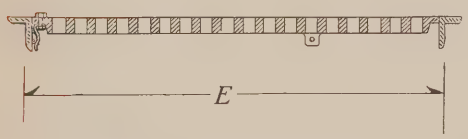
Sanitary Register

Sanitary Registers and Grilles were designed especially for hospitals. There are no sharp corners where dirt or germs can collect. Can be furnished in any size.

In orders or requests for estimates specify how the Register sets, i.e., which is the vertical and which the horizontal dimension.



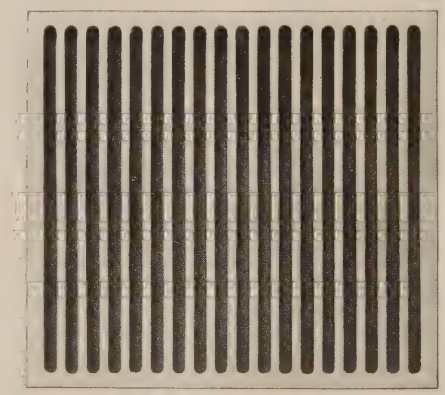
Sanitary Grille Pivot Hinged to Angle Iron Frame



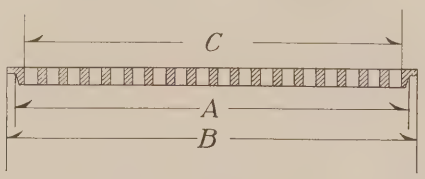

E—Extreme of angle return.

**Note.**—E runs to even inches.

State which is the vertical and which the horizontal dimension.



Sanitary Grille




A—Opening size.
B—Extreme size.
C—Daylight opening.

**Note.**—Opening size "A" runs to even inches.

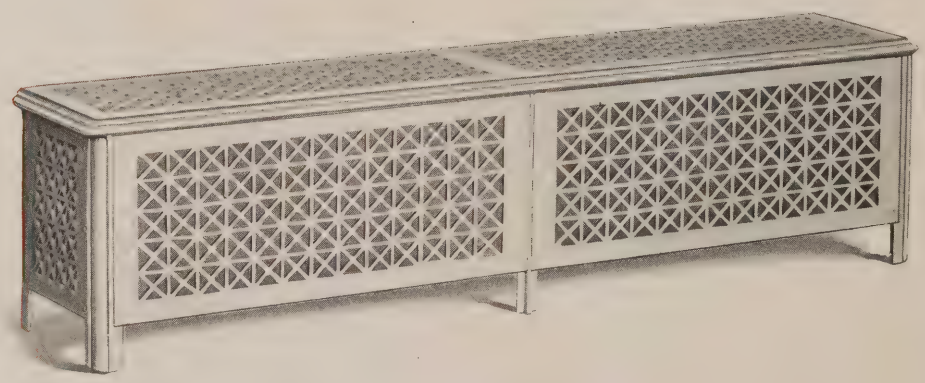
State which is the vertical and which the horizontal dimension.

**All Prices on Application.**
**Give list of sizes, quantities and finish required.**

## Radiator Enclosures

The T. & B. Enclosure shown below is metal throughout, the Ferrocraft Grille being Design No. 43. We can furnish this enclosure complete with Cast Ferrocraft Iron, Bronze or Brass Grilles of any suitable T. & B. design, or with Stamped Grilles of Sheet Steel, Sheet Bronze or Sheet Brass. If desired the entire enclosure could be furnished in Brass or Bronze Metal. The enclosure can be supplied with or without a metal back and in any size.

The finishes available are Prime Coat ready for painting or Electro Plate to harmonize with the decorations of the room. Our Tanbo Finishes are well adapted for this work—such durable finishes as the Tanbo Antique or the Mahogany being available at reasonable cost.



Radiators are often the most noticeable objects in a room, and to make them less obtrusive without detracting from their efficiency, the radiator enclosure has become a necessity even in homes of moderate cost.

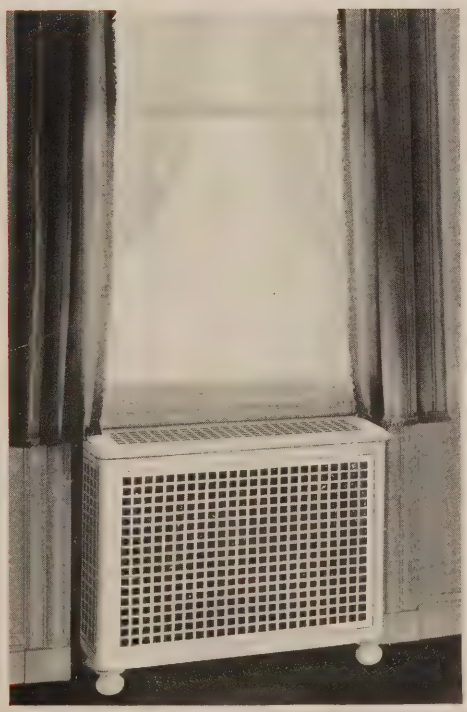
Where the engineer's plans call for recessed radiators, it is a simple matter to provide a grille covering. The grille can be hinged, affording access to the radiator, or suitable concealed doors can be provided in the grille itself.

The illustrations following are suggestions for the inexpensive treatment of exposed radiation. Standard types of grilles are shown, but for all like problems we can supply Ferrocraft Grilles in a great variety of design.

The grilles can be furnished either in Prime Coat ready for painting or in one of our Tanbo Finishes or Electro Plated, Brass or Bronze or to match sample.

## Radiator Enclosure Suggestions

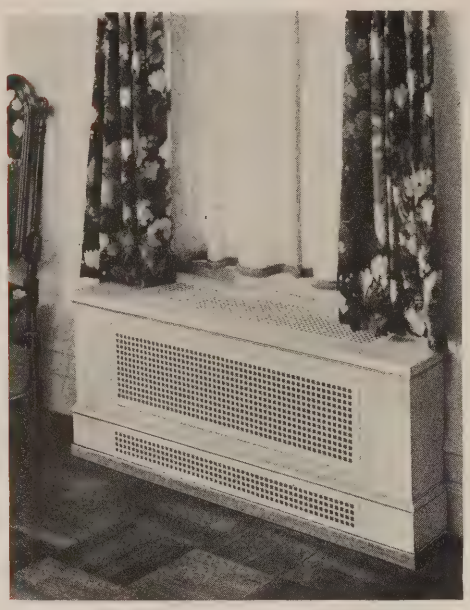
Showing the Bronze Metal Radiator Enclosure—in T. & B. Design No. 42, with which the Steamer "Commonwealth" was equipped.



A suggestion for a simple inexpensive enclosure.

A method which allows the easy removal of the enclosure when necessary.

## Radiator Enclosure Suggestions

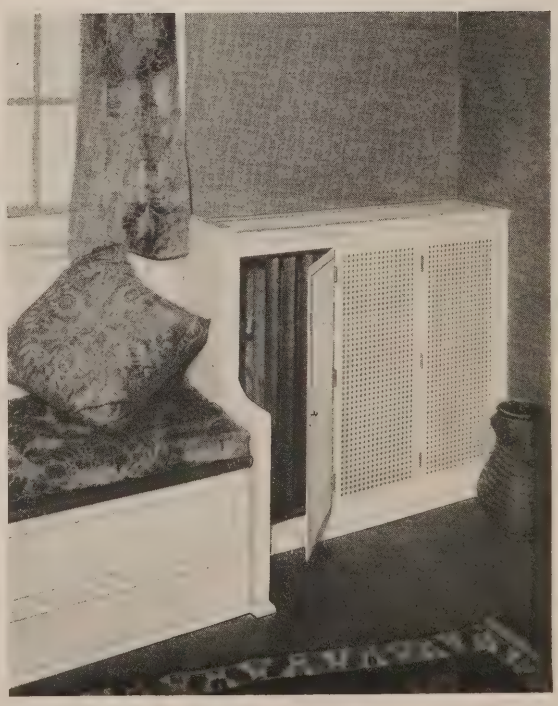


In this enclosure any of the long Grilles shown could be replaced by two shorter Grilles of equal size, with wood strip between, one of which could be furnished with hinges; or the enclosure itself can be so constructed that the top can be removed when necessary.

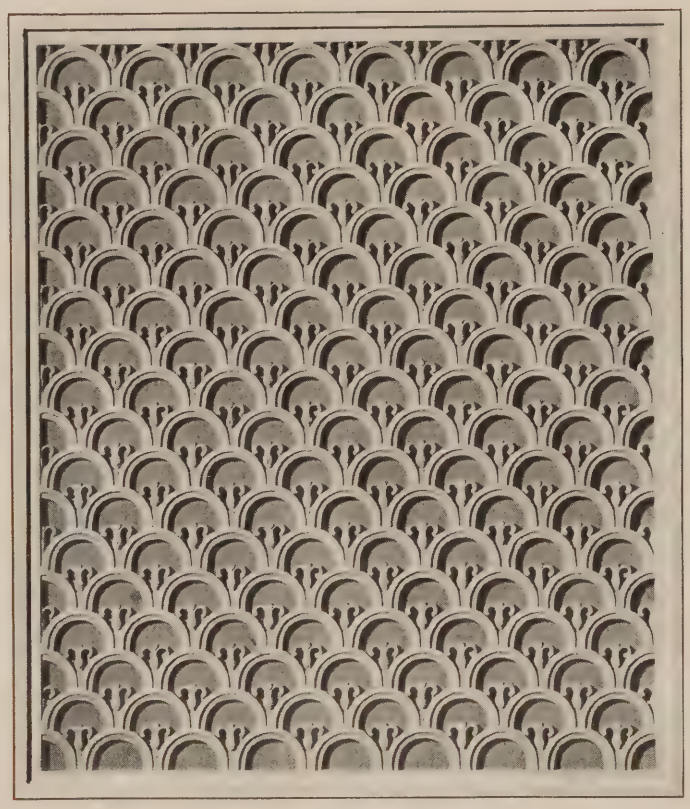
A built-in enclosure showing the Grilles hinged.

The corner is easily kept sanitary and a summer top can be used giving shelf room.

Under ordinary conditions the enclosure would allow sufficient circulation if the upper grille were omitted—the top being a shelf.



FERROCRAFT



T. & B. No. 50

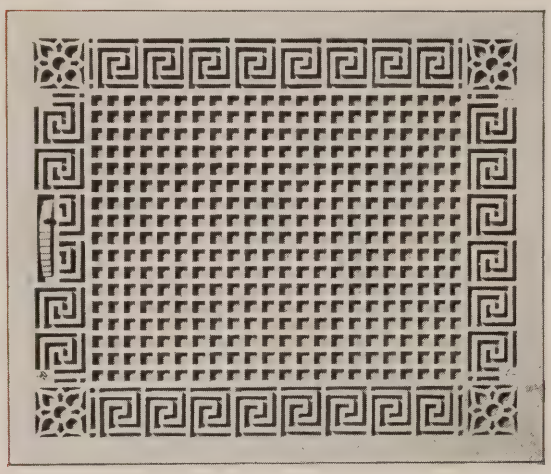
Design No. 50 was made for the New York City Terminal of the Pennsylvania Railroad from drawings submitted by the architects.

The illustration is a reproduction of the actual grille as are all the cuts in the following pages.

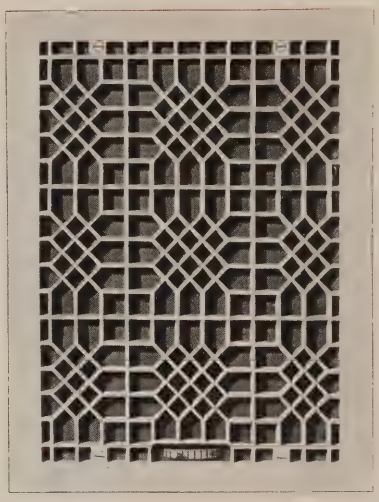
The grouping in the following pages is for convenience in selection. There has been no effort to place the design in any particular Period. The selection is from some five hundred available designs, many of them created by famous artists and architects.

The approximate sizes of openings or units may be readily determined from the following table:

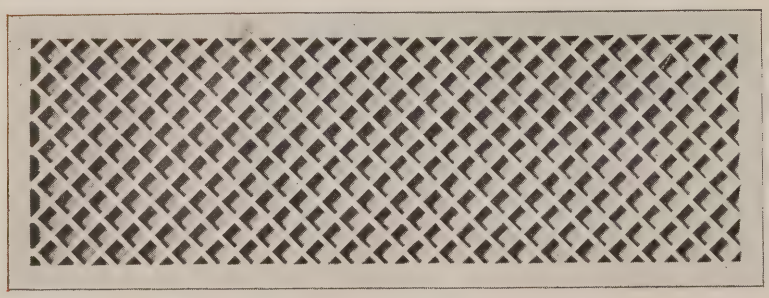
| Approximate Scale of Cut | Design Number |
|---|---|
| 1 in. = 1 ft. | 238, 258, 381. |
| 1⅛ " = 1 " | 98, 126, 257. |
| 1¼ " = 1 " | 50, 82, 93, 306. |
| 1⅜ " = 1 " | 3, 45, 68, 108, 109. |
| 1½ " = 1 " | 12, 42, 56, 59, 84, 110, 118, 153, 272, 348. |
| 1⅝ " = 1 " | 78, 113, 244, 355. |
| 1¾ " = 1 " | 14, 25, 26, 43, 54, 77, 83, 86, 95, 255, 371, 394. |
| 2 " = 1 " | 30, 114, 214, 290, 362. |
| 2¼ " = 1 " | 47, 247. |
| 2½ " = 1 " | 80, 162. |



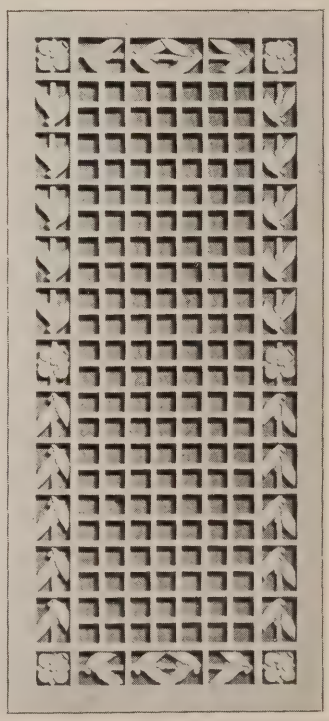
T. & B. No. 3



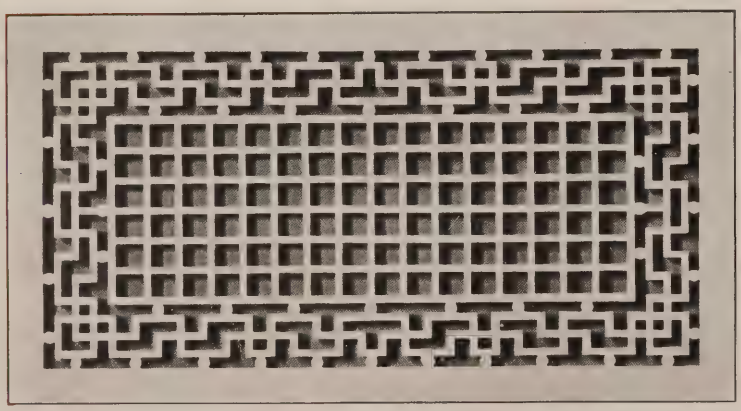
T. & B. No. 394



T. & B. No. 56

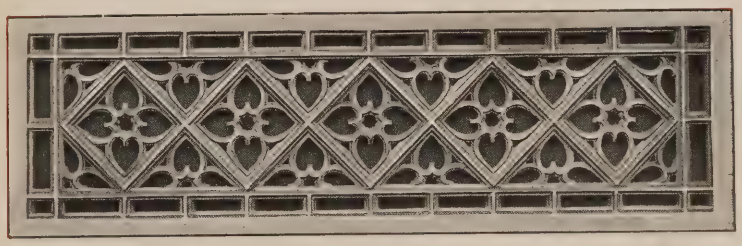


T. & B. No. 348

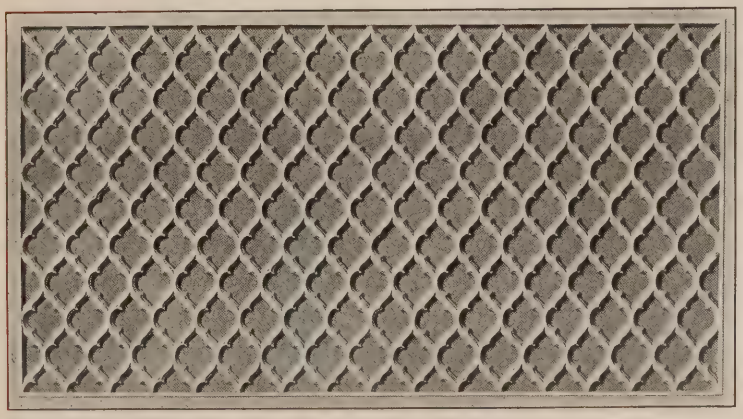


T. & B. No. 54

## Ferrocraft Registers and Grilles (Continued)



T. & B. No. 371



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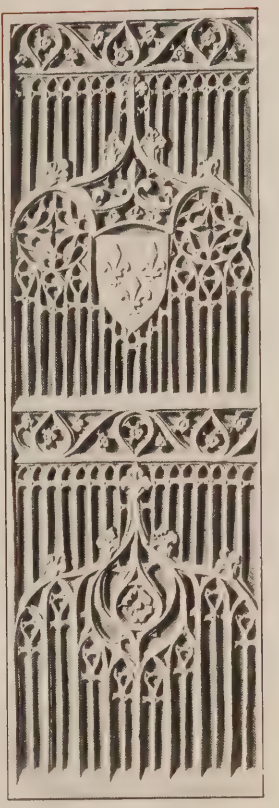

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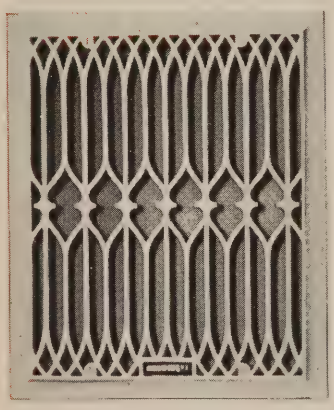
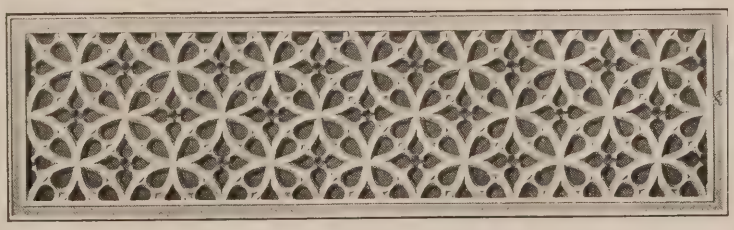


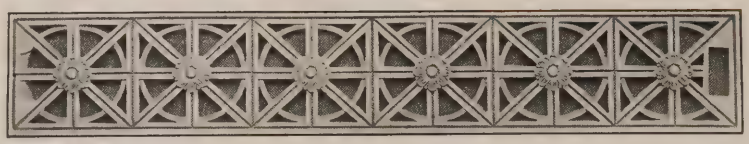
T. & B. No. 98

T. & B. No. 110



T. & B. No. 257

## Ferrocraft Registers and Grilles (Continued)



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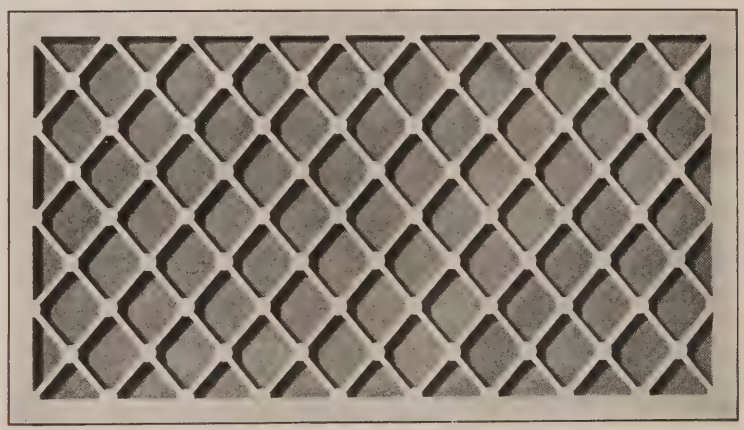
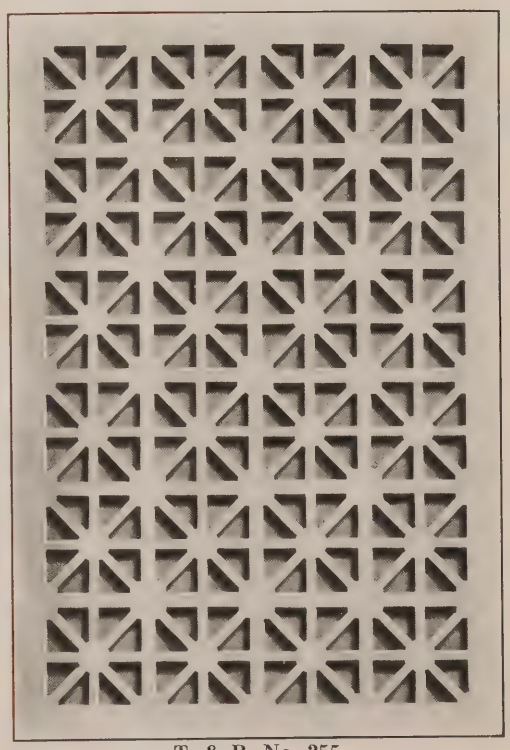


T. & B. No. 306



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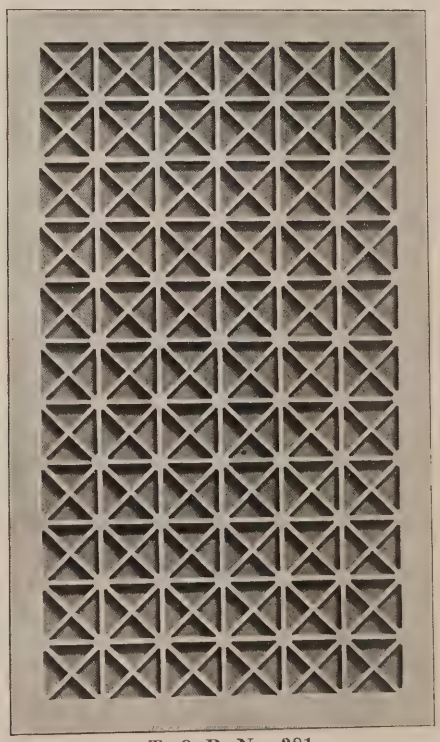

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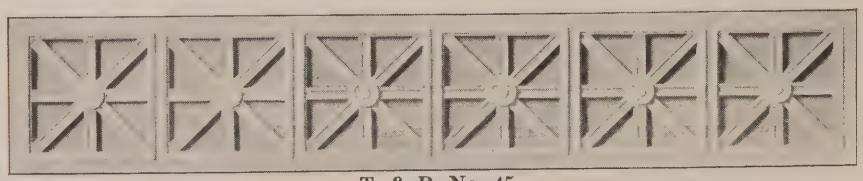
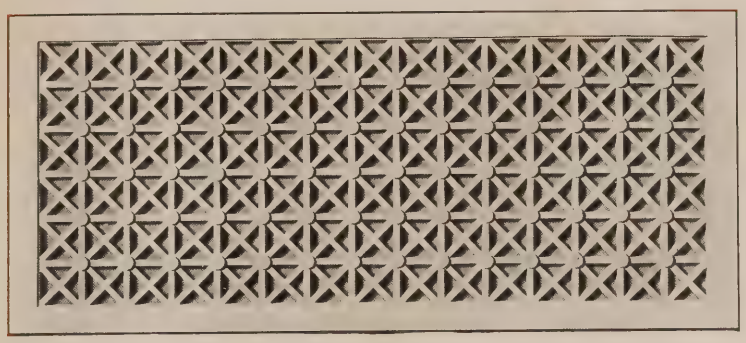


T. & B. No. 45

## Ferrocraft Registers and Grilles (Continued)



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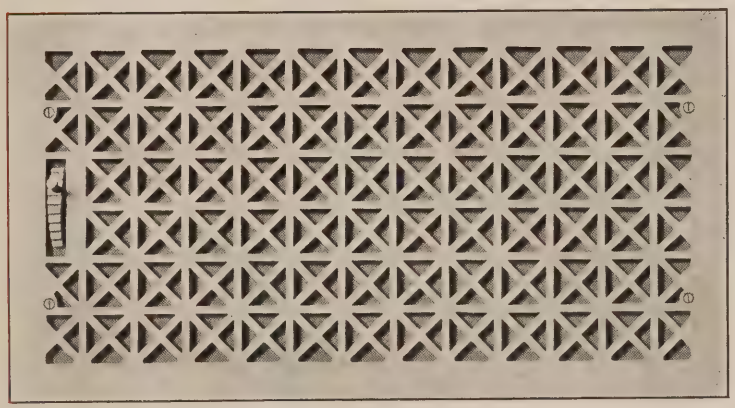

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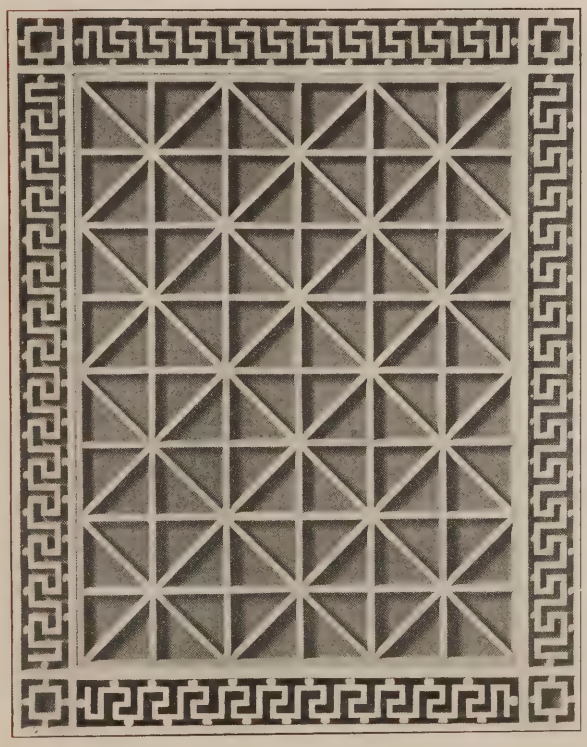

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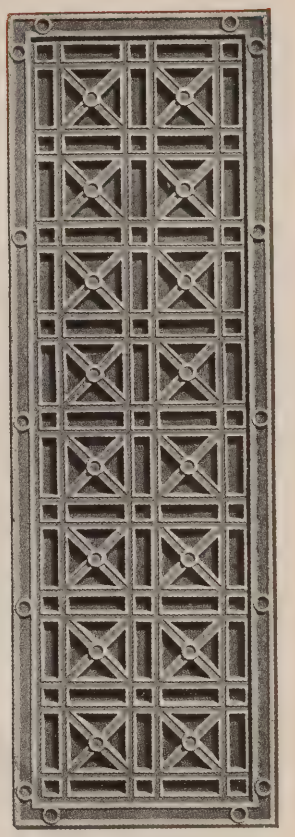

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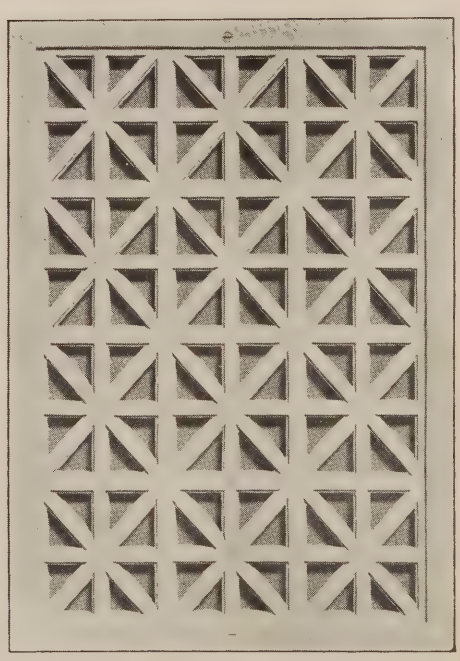
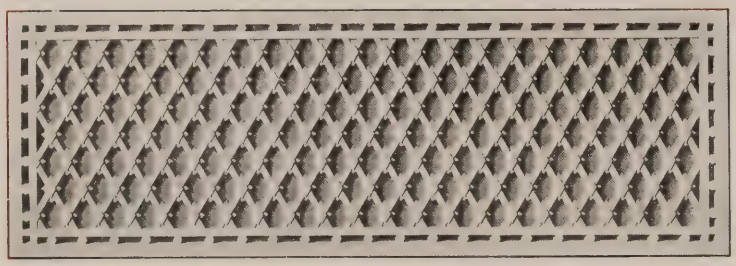
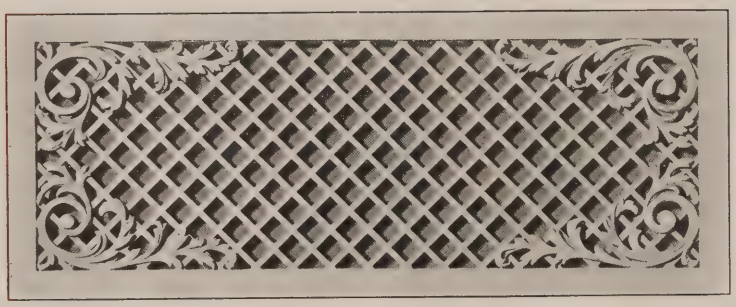


T. & B. No. 362

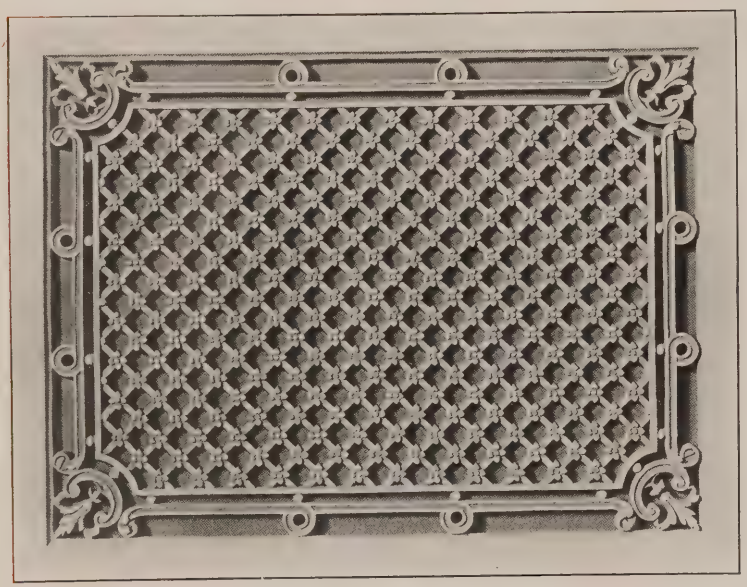
## Ferrocraft Registers and Grilles (Continued)



T. & B. No. 59



T. & B. No. 12



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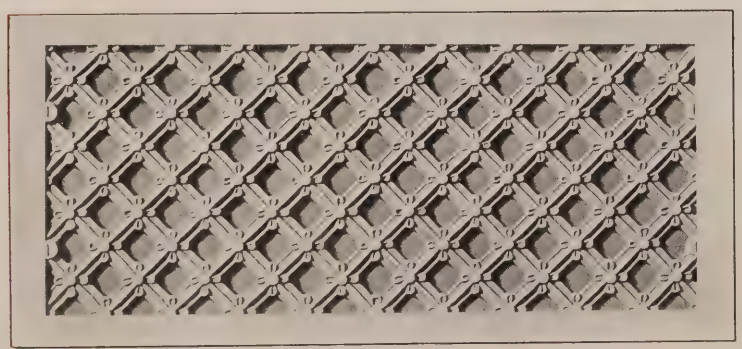

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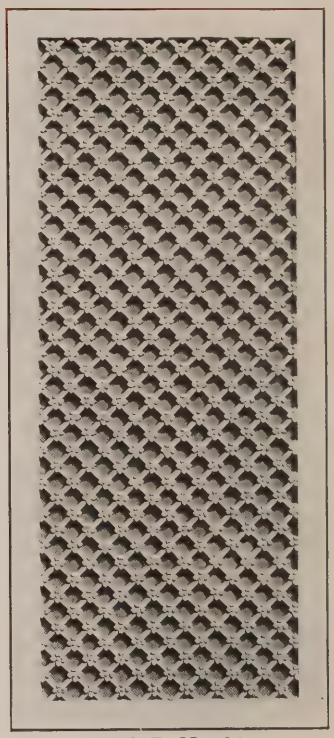

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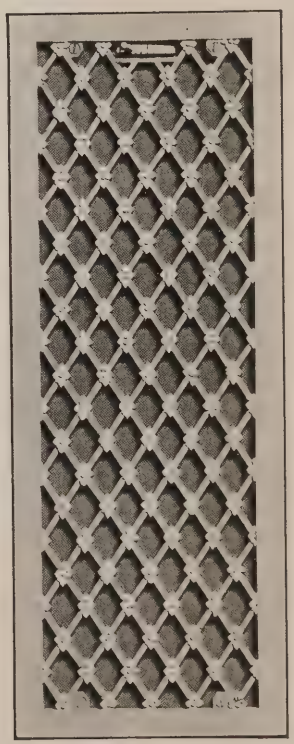
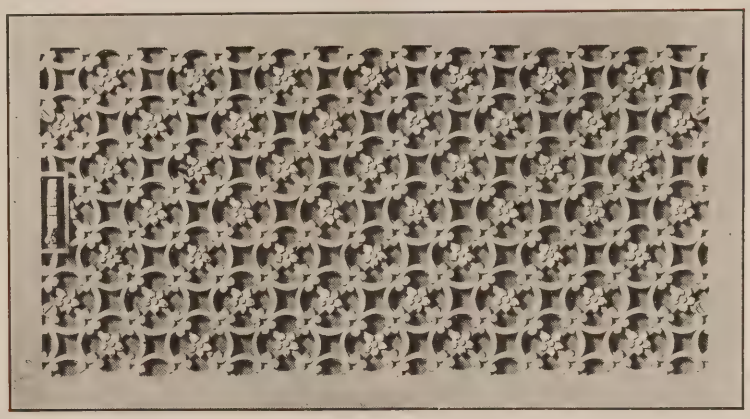
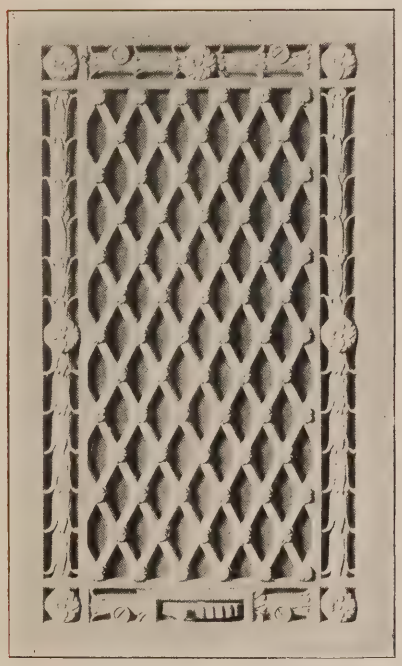


T. & B. No. 86

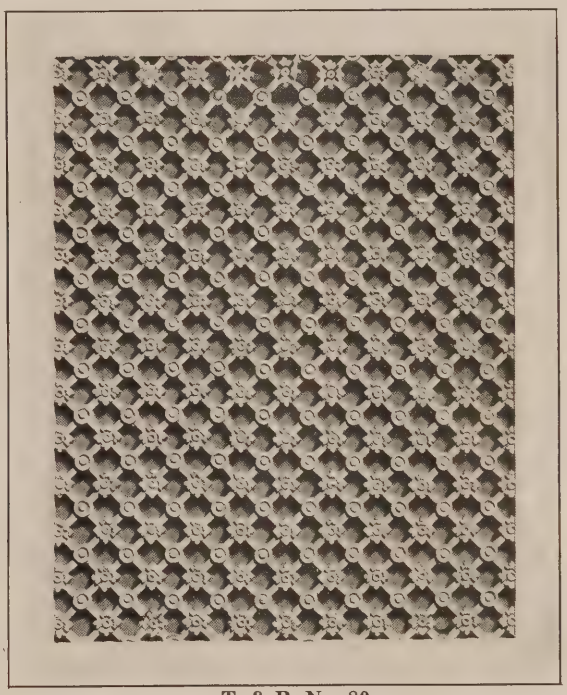
## Ferrocraft Registers and Grilles (Continued)



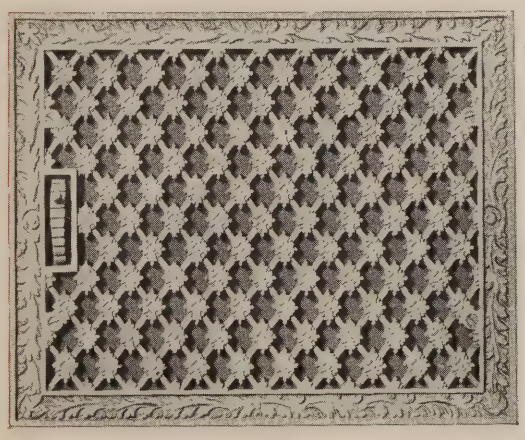
T. & B. No. 95



T. & B. No. 114



T. & B. No. 80



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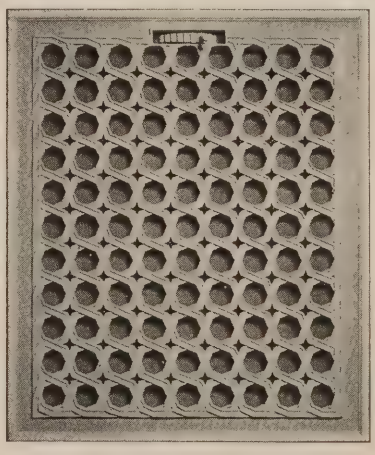
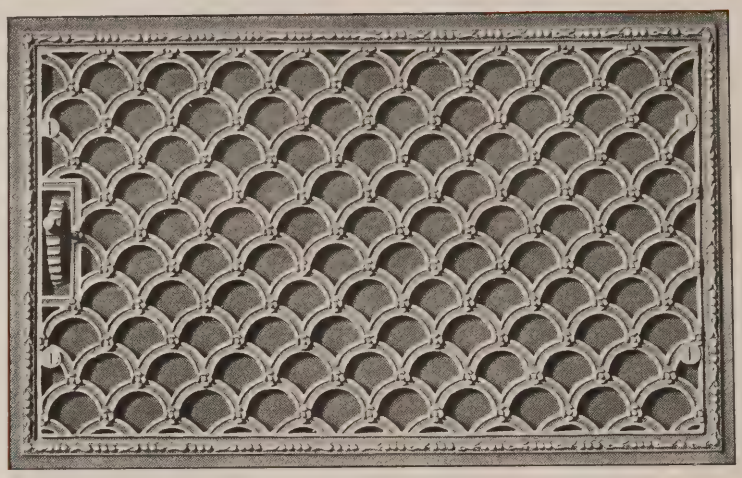


T. & B. No. 82

## Ferrocraft Registers and Grilles (Continued)



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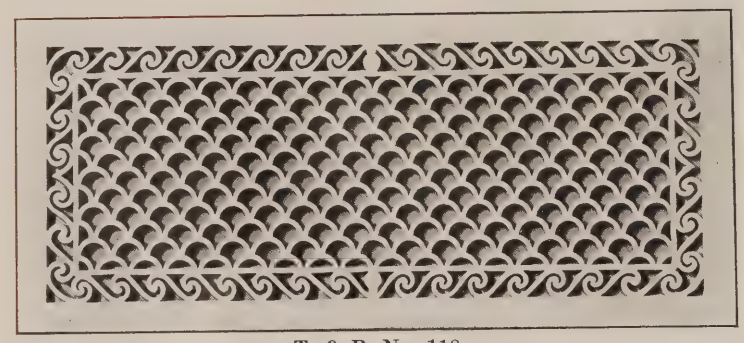
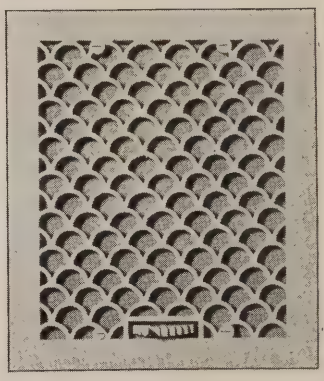


T. & B. No. 118



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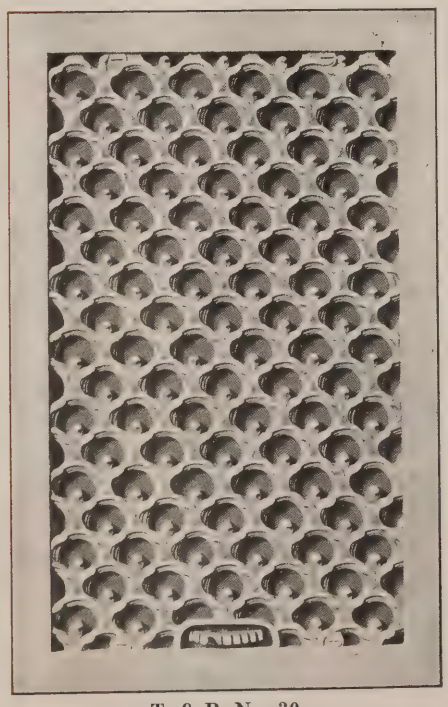
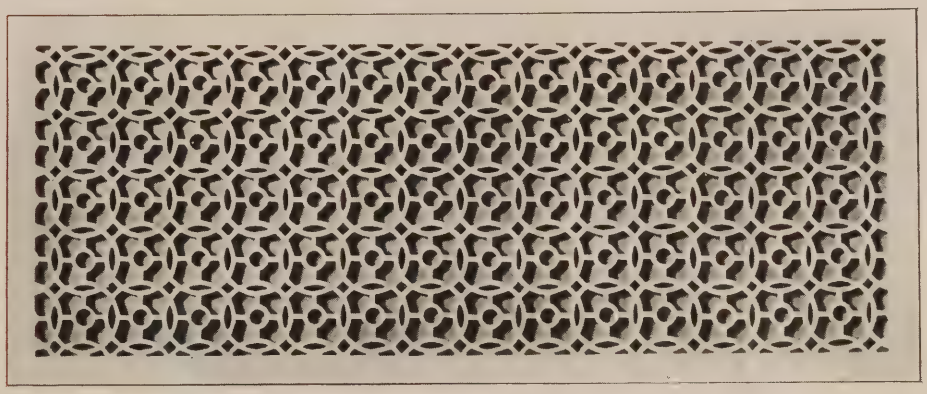


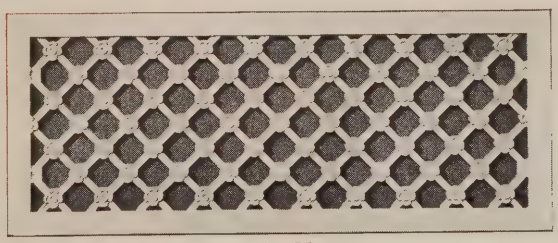
T. & B. No. 30

T. & B. No. 244

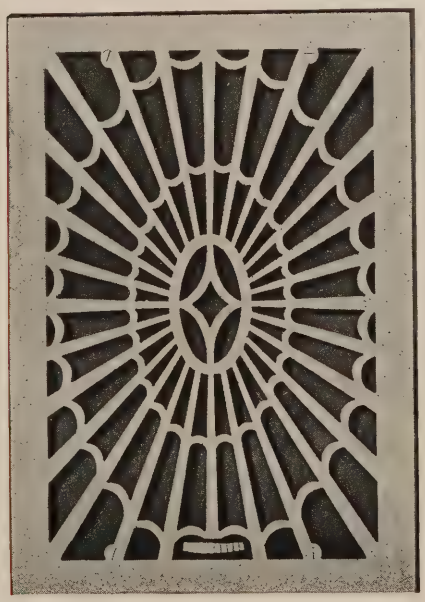
T. & B. No. 78



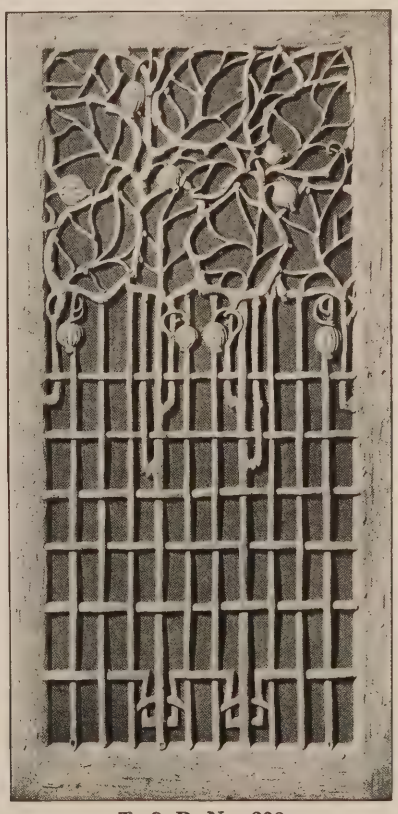
T. & B. No. 26



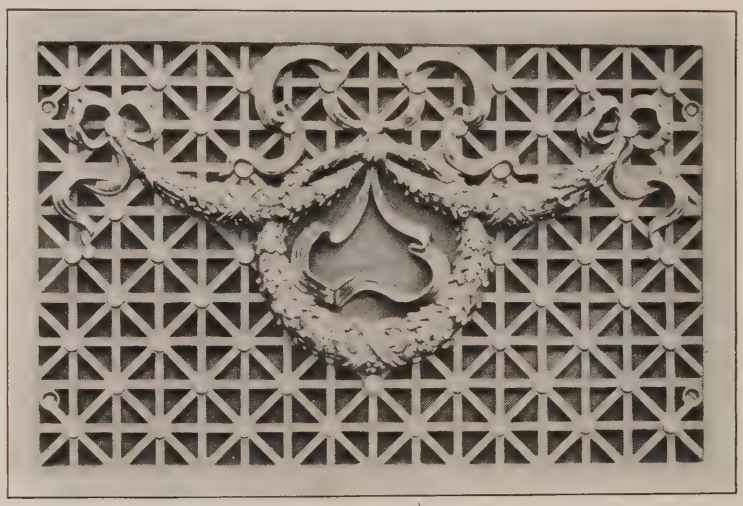
T. & B. No. 93



T. & B. No. 113



T. & B. No. 238



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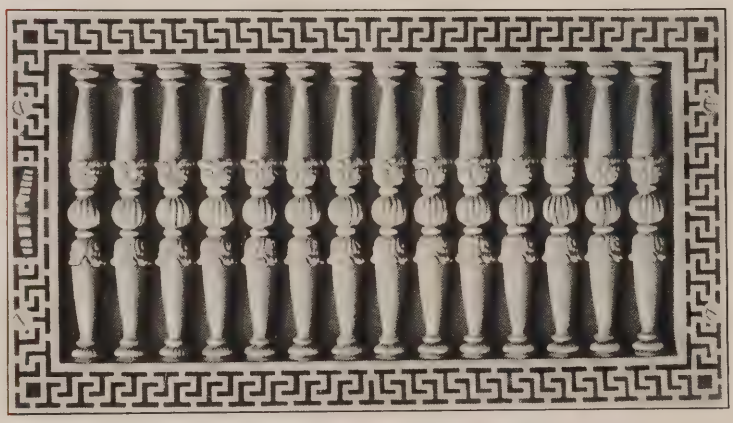

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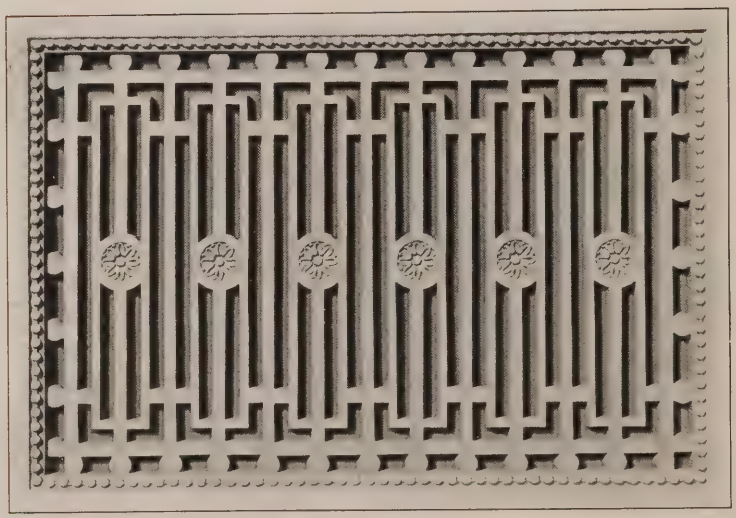
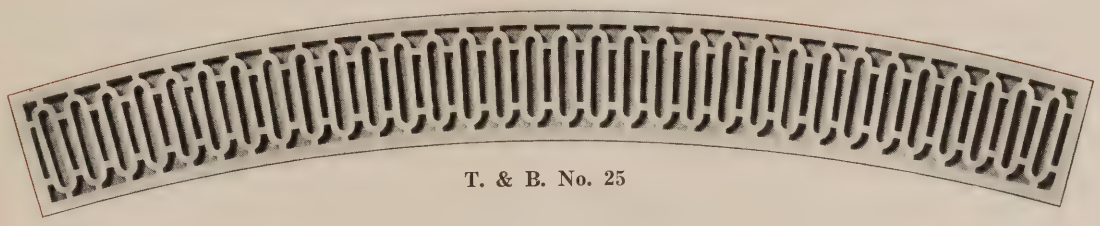
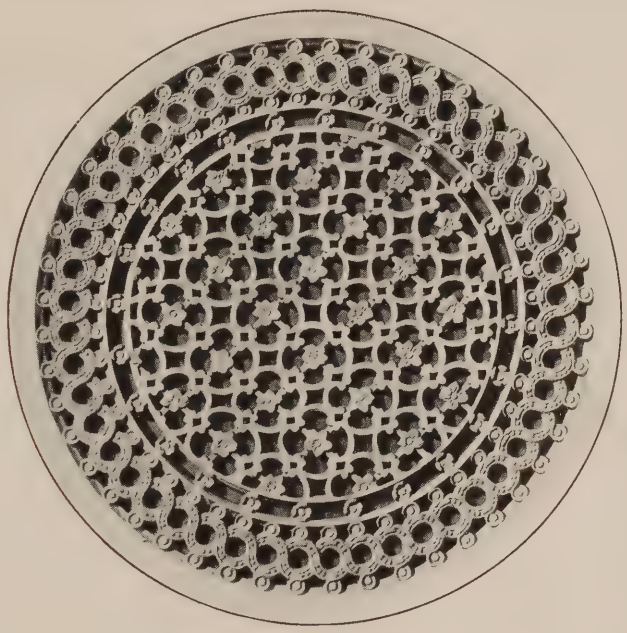


T. & B. No. 162



T. & B. No. 25



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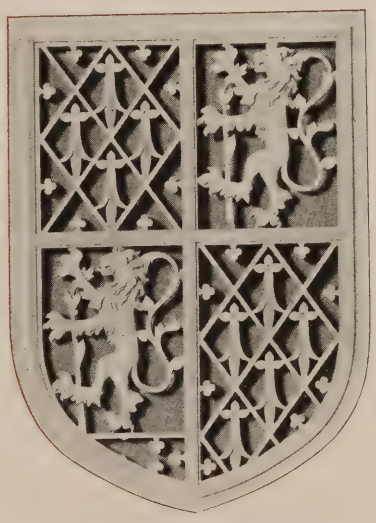

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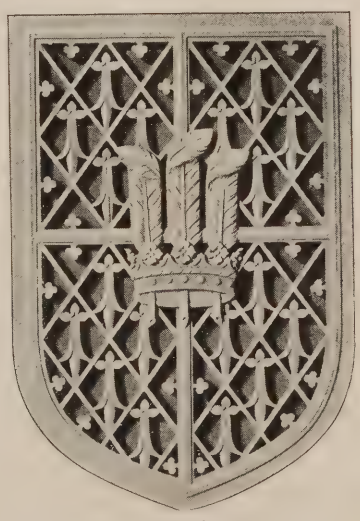
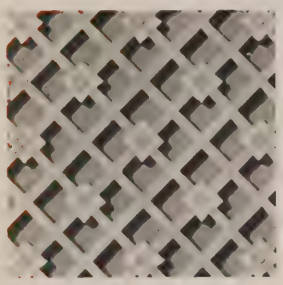


T. & B. No. 109

## Ferrocraft Registers and Grilles (Continued)

### A Hint of Some of Our Other Designs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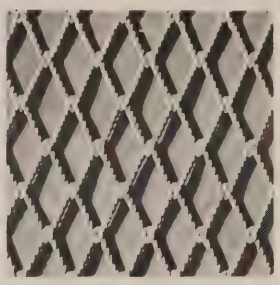
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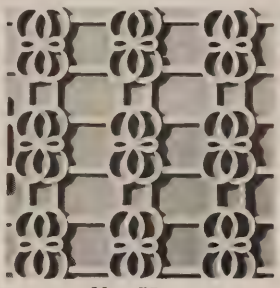
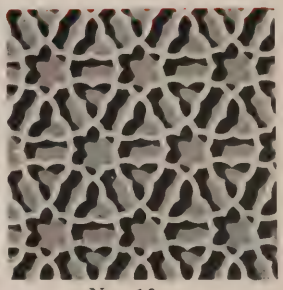

No. 55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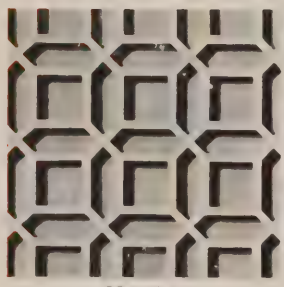
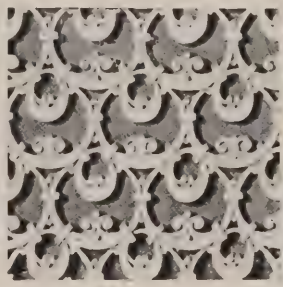

No. 24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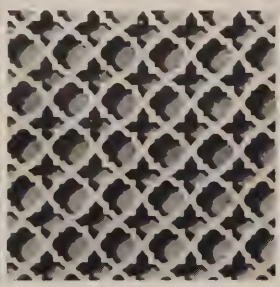
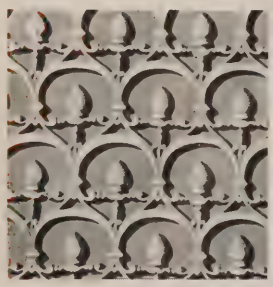
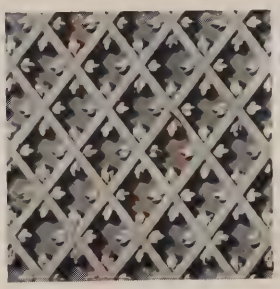

No. 111

No. 21

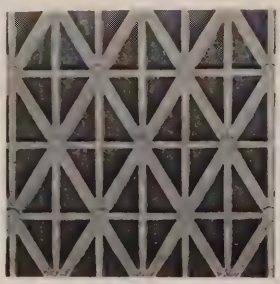

No. 27

No. 147


No. 152

No. 193

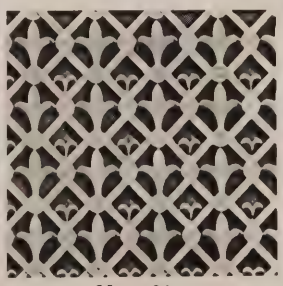
No. 211


No. 237

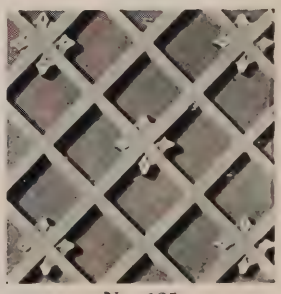
No. 304

No. 289

No. 89

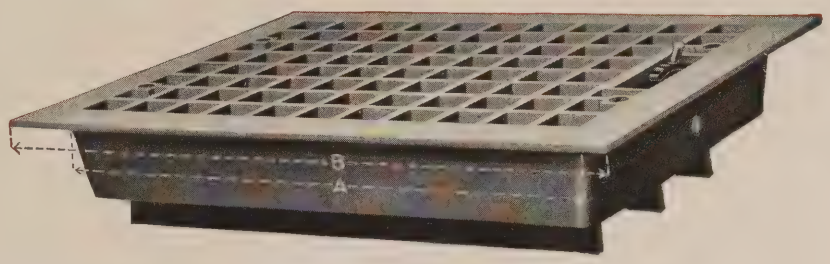

No. 121

No. 123


No. 125

## Registers (Multi-Valve)

Styles 30, 60 and 70




## PRICE LIST

| White Porcelain Enamel | Solid Brass or Bronze Metal | White Japanned | Black Japanned | SIZE OF OPENING A | All TANBO Finishes | Electro-plated Oxidized Copper | Electro-plated Brass, Bronze or Nickel | If with Pulleys for Cord or Chain Add to List |
|---|---|---|---|---|---|---|---|---|
| $3.00 | $2.80 | $1.70 | $1.40 | *4 x 6 | $1.70 | $2.00 | $2.20 | $.50 |
| 3.00 | 2.80 | 1.70 | 1.40 | 4½ x 6½ | 1.70 | 2.00 | 2.20 | .50 |
| 3.40 | 2.90 | 1.80 | 1.50 | *4 x 8 | 1.80 | 2.20 | 2.40 | .50 |
| 3.75 | 3.75 | 1.90 | 1.55 | *4 x 10 | 1.90 | 2.40 | 2.60 | .50 |
| 5.60 | 4.50 | 2.20 | 1.80 | *4 x 12 | 2.20 | 2.80 | 3.10 | .50 |
| 6.00 | 4.90 | 3.00 | 2.50 | 4 x 13 | 3.00 | 3.50 | 3.80 | .50 |
| 7.00 | 5.60 | 3.60 | 3.00 | 4 x 15 | 3.60 | 4.00 | 4.30 | .50 |
| 8.40 | 6.75 | 4.65 | 4.00 | 4 x 18 | 4.65 | 5.00 | 5.40 | .50 |
| 9.80 | 7.85 | 6.00 | 5.00 | 4 x 21 | 6.00 | 6.50 | 7.00 | .50 |
| 11.10 | 9.00 | 7.00 | 6.00 | 4 x 24 | 7.00 | 7.50 | 8.10 | .50 |
| 12.90 | 10.65 | 8.10 | 7.10 | 4 x 28 | 8.10 | 8.75 | 9.55 | .50 |
| 13.75 | 11.50 | 9.00 | 8.00 | 4 x 30 | 9.00 | 9.50 | 10.00 | .50 |
| 4.20 | 3.55 | 1.90 | 1.55 | 5 x 8 | 1.90 | 2.75 | 3.00 | .50 |
| 4.70 | 4.00 | 1.90 | 1.55 | 5 x 9 | 1.90 | 2.90 | 3.15 | .50 |
| 5.30 | 4.45 | 1.95 | 1.60 | 5 x 10 | 1.95 | 2.95 | 3.25 | .50 |
| 5.90 | 4.90 | 2.15 | 1.75 | 5 x 11 | 2.15 | 3.25 | 3.50 | .50 |
| 6.30 | 5.35 | 2.25 | 1.80 | 5 x 12 | 2.25 | 3.45 | 3.90 | .50 |
| 6.80 | 5.75 | 3.10 | 2.60 | 5 x 13 | 3.10 | 4.25 | 4.60 | .50 |
| 7.40 | 6.20 | 3.40 | 2.80 | 5 x 14 | 3.40 | 4.80 | 5.20 | .50 |
| 7.90 | 6.65 | 4.30 | 3.60 | 5 x 15 | 4.30 | 5.60 | 6.10 | .50 |
| 8.40 | 7.15 | 4.65 | 3.90 | 5 x 16 | 4.65 | 5.90 | 6.40 | .50 |
| 8.90 | 7.55 | 5.00 | 4.20 | 5 x 17 | 5.00 | 6.20 | 6.80 | .50 |
| 9.50 | 8.00 | 6.20 | 5.25 | 5 x 18 | 6.20 | 7.25 | 7.85 | .50 |
| 3.40 | 3.60 | 1.80 | 1.50 | *6 x 6 | 1.80 | 2.70 | 3.00 | .50 |
| 4.60 | 4.10 | 1.85 | 1.55 | *6 x 8 | 1.85 | 2.80 | 3.10 | .50 |
| 5.10 | 4.60 | 1.90 | 1.60 | *6 x 9 | 1.90 | 2.95 | 3.40 | .50 |
| 5.70 | 5.10 | 1.95 | 1.60 | *6 x 10 | 1.95 | 3.00 | 3.50 | .50 |
| 6.80 | 6.15 | 2.25 | 1.85 | *6 x 12 | 2.25 | 3.50 | 4.20 | .50 |
| 8.00 | 7.15 | 3.45 | 2.85 | 6 x 14 | 3.45 | 4.95 | 5.75 | .50 |
| 9.10 | 8.20 | 4.80 | 4.00 | 6 x 16 | 4.80 | 6.00 | 6.90 | .50 |
| 10.30 | 9.30 | 6.25 | 5.20 | 6 x 18 | 6.25 | 7.00 | 8.00 | .50 |
| 11.40 | 10.25 | 7.20 | 6.00 | 6 x 20 | 7.20 | 8.20 | 9.30 | .50 |
| 12.50 | 12.00 | 8.40 | 7.00 | 6 x 22 | 8.40 | 10.00 | 11.25 | .50 |
| 14.00 | 14.00 | 9.60 | 8.00 | 6 x 24 | 9.60 | 12.00 | 13.30 | .50 |
| 17.00 | 16.75 | 11.00 | 9.50 | 6 x 28 | 11.00 | 14.50 | 16.00 | .50 |
| 18.50 | 19.00 | 13.00 | 11.50 | 6 x 30 | 13.00 | 16.50 | 18.25 | .50 |
| 21.00 | 22.00 | 14.25 | 13.00 | 6 x 32 | 14.25 | 18.00 | 21.00 | .50 |
| 32.50 | 33.00 | 21.00 | 19.00 | 6 x 36 | 21.00 | 26.25 | 29.50 | .50 |
| 4.75 | 4.25 | 1.90 | 1.55 | 7 x 7 | 1.90 | 2.90 | 3.50 | .50 |
| 6.00 | 5.50 | 2.00 | 1.60 | 7 x 9 | 2.00 | 3.00 | 3.65 | .50 |
| 6.60 | 6.05 | 2.00 | 1.65 | *7 x 10 | 2.00 | 3.10 | 3.80 | .50 |
| 7.90 | 7.35 | 2.30 | 1.90 | 7 x 12 | 2.30 | 3.60 | 4.35 | .50 |
| 9.20 | 8.50 | 3.55 | 2.95 | 7 x 14 | 3.55 | 5.00 | 6.10 | .50 |
| 9.90 | 9.10 | 4.50 | 3.75 | 7 x 15 | 4.50 | 5.90 | 6.90 | .50 |

**See Notes on Page 60**

## Registers (Multi-Valve)

Styles 30, 60 and 70

### Price List (Continued)

| White Porcelain Enamel | Solid Brass or Bronze Metal | White Japanned | Black Japanned | SIZE OF OPENING A | All TANBO Finishes | Electro-plated Oxidized Copper | Electro-plated Brass, Bronze or Nickel | If with Pulleys for Cord or Chain Add to List |
|---|---|---|---|---|---|---|---|---|
| $5.50 | $5.60 | $1.95 | $1.60 | *8 x 8 | $1.95 | $3.00 | $3.70 | $.50 |
| 6.90 | 7.00 | 2.00 | 1.65 | *8 x 10 | 2.00 | 3.15 | 3.85 | .50 |
| 8.30 | 8.60 | 2.30 | 1.90 | *8 x 12 | 2.30 | 3.65 | 4.40 | .50 |
| 9.00 | 9.10 | 3.30 | 2.75 | 8 x 13 | 3.30 | 4.75 | 5.75 | .50 |
| 9.70 | 9.80 | 3.60 | 3.00 | 8 x 14 | 3.60 | 5.10 | 6.20 | .50 |
| 10.30 | 10.60 | 4.55 | 3.80 | 8 x 15 | 4.55 | 6.00 | 7.00 | .50 |
| 11.20 | 11.20 | 5.40 | 4.50 | 8 x 16 | 5.40 | 6.75 | 8.00 | .50 |
| 12.40 | 12.80 | 7.90 | 6.60 | 8 x 18 | 7.90 | 9.40 | 10.70 | .50 |
| 13.50 | 14.00 | 10.40 | 8.70 | 8 x 20 | 10.40 | 11.70 | 13.00 | .50 |
| 14.50 | 15.00 | 10.80 | 9.00 | 8 x 21 | 10.80 | 12.50 | 14.00 | .50 |
| 17.50 | 18.00 | 12.40 | 11.25 | 8 x 24 | 12.40 | 15.25 | 17.00 | .50 |
| 20.00 | 20.50 | 15.00 | 13.60 | 8 x 27 | 15.00 | 17.75 | 19.75 | .50 |
| 21.60 | 22.25 | 16.30 | 14.70 | 8 x 30 | 16.30 | 19.50 | 21.60 | .50 |
| 34.00 | 35.90 | 25.95 | 22.50 | 8 x 36 | 25.95 | 29.50 | 32.50 | .50 |
| 50.00 | 45.00 | 34.75 | 31.50 | 8 x 48 | 34.75 | 40.50 | 41.00 | .50 |
| 6.90 | 7.20 | 2.40 | 2.00 | 9 x 9 | 2.40 | 3.90 | 4.90 | .50 |
| 9.10 | 9.60 | 2.55 | 2.10 | *9 x 12 | 2.55 | 4.00 | 5.10 | .50 |
| 9.80 | 10.45 | 3.55 | 2.95 | 9 x 13 | 3.55 | 4.95 | 6.15 | .50 |
| 10.60 | 11.20 | 3.70 | 3.10 | *9 x 14 | 3.70 | 5.20 | 6.50 | .50 |
| 11.30 | 12.05 | 4.75 | 3.95 | 9 x 15 | 4.75 | 6.50 | 7.80 | .50 |
| 12.10 | 12.80 | 5.65 | 4.70 | 9 x 16 | 5.65 | 7.15 | 8.55 | .50 |
| 13.60 | 14.45 | 8.00 | 6.65 | 9 x 18 | 8.00 | 9.35 | 11.00 | .50 |
| 15.10 | 16.10 | 10.25 | 8.75 | 9 x 20 | 10.25 | 11.85 | 13.65 | .50 |
| 16.60 | 17.65 | 11.50 | 10.35 | 9 x 22 | 11.50 | 13.95 | 16.00 | .50 |
| 18.25 | 19.25 | 13.20 | 12.00 | 9 x 24 | 13.20 | 16.00 | 18.10 | .50 |
| 21.65 | 22.10 | 16.75 | 15.25 | 9 x 26 | 16.75 | 19.25 | 21.65 | .50 |
| 24.25 | 25.15 | 18.00 | 16.35 | 9 x 28 | 18.00 | 21.75 | 24.25 | .50 |
| 25.25 | 26.20 | 19.25 | 17.50 | 9 x 30 | 19.25 | 22.50 | 25.25 | .50 |
| 32.50 | 33.90 | 24.95 | 22.50 | 9 x 32 | 24.95 | 29.50 | 32.50 | .50 |
| 36.25 | 38.40 | 27.40 | 24.75 | 9 x 36 | 27.40 | 31.75 | 34.25 | .50 |
| 8.20 | 9.50 | 2.85 | 2.35 | *10 x 10 | 2.85 | 4.35 | 5.35 | .50 |
| 9.80 | 11.00 | 2.90 | 2.40 | *10 x 12 | 2.90 | 4.40 | 5.50 | .50 |
| 11.50 | 12.65 | 3.80 | 3.15 | *10 x 14 | 3.80 | 5.25 | 6.55 | .50 |
| 12.60 | 13.50 | 5.00 | 4.40 | 10 x 15 | 5.00 | 6.50 | 8.00 | .50 |
| 13.10 | 14.45 | 5.85 | 4.85 | *10 x 16 | 5.85 | 7.20 | 8.60 | .50 |
| 14.80 | 16.10 | 8.05 | 6.70 | 10 x 18 | 8.05 | 9.45 | 11.00 | .50 |
| 16.40 | 18.00 | 10.50 | 8.90 | 10 x 20 | 10.50 | 12.00 | 13.80 | .50 |
| 18.50 | 20.50 | 12.00 | 10.40 | 10 x 22 | 12.00 | 14.50 | 16.50 | .50 |
| 21.00 | 21.70 | 13.40 | 12.15 | *10 x 24 | 13.40 | 16.25 | 18.50 | .50 |
| 30.00 | 29.00 | 21.45 | 19.50 | 10 x 30 | 21.45 | 25.50 | 28.00 | .50 |
| 37.25 | 39.40 | 28.40 | 25.75 | 10 x 36 | 28.40 | 32.75 | 35.25 | .50 |
| 50.00 | 45.50 | 38.50 | 35.00 | 10 x 40 | 38.50 | 45.00 | 48.00 | .50 |
| 62.50 | 60.00 | 50.00 | 42.00 | 10 x 48 | 50.00 | 52.00 | 60.00 | .50 |
| 15.30 | 17.15 | 7.55 | 6.30 | 11 x 17 | 7.55 | 8.95 | 10.50 | .50 |
| 16.20 | 19.00 | 8.10 | 6.75 | 11 x 18 | 8.10 | 9.50 | 11.15 | .50 |
| 18.00 | 20.80 | 10.75 | 8.95 | 11 x 20 | 10.75 | 12.00 | 14.00 | .50 |
| 11.80 | 13.75 | 4.80 | 4.00 | *12 x 12 | 4.80 | 6.35 | 7.90 | .50 |
| 13.80 | 16.10 | 5.25 | 4.35 | *12 x 14 | 5.25 | 6.85 | 8.25 | .50 |
| 14.80 | 16.80 | 5.40 | 4.50 | *12 x 15 | 5.40 | 7.00 | 8.50 | .50 |
| 15.80 | 18.00 | 6.70 | 5.60 | *12 x 16 | 6.70 | 8.25 | 9.75 | .50 |
| 16.70 | 19.10 | 7.60 | 6.35 | 12 x 17 | 7.60 | 9.00 | 10.60 | .50 |
| 17.70 | 20.50 | 8.15 | 6.80 | *12 x 18 | 8.15 | 9.55 | 11.25 | .50 |
| 18.70 | 21.35 | 9.00 | 7.50 | 12 x 19 | 9.00 | 10.35 | 12.25 | .50 |
| 20.00 | 22.40 | 10.80 | 9.00 | *12 x 20 | 10.80 | 12.20 | 14.10 | .50 |
| 21.35 | 25.75 | 12.00 | 10.50 | 12 x 22 | 12.00 | 14.50 | 17.05 | .50 |
| 23.25 | 26.95 | 13.50 | 12.25 | *12 x 24 | 13.50 | 16.30 | 18.60 | .50 |
| 26.00 | 30.15 | 18.50 | 16.50 | 12 x 26 | 18.50 | 22.50 | 26.30 | .50 |
| 28.00 | 32.65 | 21.00 | 19.00 | 12 x 28 | 21.00 | 25.00 | 28.80 | .50 |
| 30.00 | 33.65 | 22.00 | 20.00 | *12 x 30 | 22.00 | 26.00 | 29.00 | .50 |
| 34.50 | 35.90 | 26.95 | 24.50 | 12 x 32 | 26.95 | 31.50 | 34.50 | .50 |
| 38.25 | 40.40 | 29.40 | 26.75 | 12 x 36 | 29.40 | 33.75 | 36.25 | .50 |
| 50.00 | 45.50 | 38.50 | 35.00 | 12 x 40 | 38.50 | 45.00 | 50.00 | .50 |
| 69.50 | 71.00 | 50.60 | 46.00 | 12 x 48 | 50.60 | 60.00 | 69.50 | .50 |

See Notes on Page 60

## Registers (Multi-Valve)

Styles 30, 60 and 70

### Price List (Continued)

| White Porcelain Enamel | Solid Brass or Bronze Metal | White Japanned | Black Japanned | SIZE OF OPENING A | All TANBO Finishes | Electro-plated Oxidized Copper | Electro-plated Brass, Bronze or Nickel | If with Pulleys for Cord or Chain Add to List |
|---|---|---|---|---|---|---|---|---|
| $16.20 | $19.00 | $9.45 | $7.90 | *14 x 14 | $9.45 | $11.00 | $14.30 | $1.00 |
| 17.30 | 20.35 | 9.90 | 8.25 | 14 x 15 | 9.90 | 11.25 | 15.30 | 1.00 |
| 18.40 | 21.70 | 10.20 | 8.50 | *14 x 16 | 10.20 | 11.50 | 16.50 | 1.00 |
| 20.10 | 24.50 | 10.80 | 9.00 | *14 x 18 | 10.80 | 12.00 | 18.50 | 1.00 |
| 23.30 | 27.10 | 11.25 | 9.50 | *14 x 20 | 11.25 | 13.00 | 20.50 | 1.00 |
| 27.40 | 29.85 | 12.00 | 10.50 | 14 x 22 | 12.00 | 14.50 | 22.50 | 1.00 |
| 29.50 | 32.50 | 16.40 | 14.90 | *14 x 24 | 16.40 | 19.50 | 26.00 | 1.00 |
| 33.00 | 43.00 | 25.50 | 23.00 | 14 x 28 | 25.50 | 30.25 | 35.00 | 1.00 |
| 37.00 | 46.35 | 30.25 | 27.50 | *14 x 30 | 30.25 | 33.00 | 37.50 | 1.00 |
| 50.00 | 57.00 | 39.60 | 36.00 | 14 x 36 | 39.60 | 45.00 | 50.00 | 1.00 |
| 57.50 | 64.00 | 45.60 | 41.00 | 14 x 40 | 45.60 | 54.00 | 60.00 | 1.00 |
| 69.50 | 71.00 | 50.60 | 46.00 | 14 x 48 | 50.60 | 60.00 | 69.50 | 1.00 |
| 18.50 | 21.70 | 11.25 | 10.00 | 15 x 15 | 11.25 | 14.00 | 17.00 | 1.00 |
| 26.50 | 32.75 | 13.75 | 12.50 | 15 x 21 | 13.75 | 16.85 | 25.00 | 1.00 |
| 31.00 | 36.90 | 19.25 | 17.50 | 15 x 25 | 19.25 | 23.00 | 31.00 | 1.00 |
| 37.50 | 46.35 | 30.25 | 27.50 | 15 x 30 | 30.25 | 33.00 | 37.50 | 1.00 |
| 46.00 | 50.20 | 34.90 | 31.75 | 15 x 34 | 34.90 | 41.25 | 46.00 | 1.00 |
| 50.00 | 54.00 | 38.00 | 35.00 | 15 x 36 | 38.00 | 42.00 | 50.00 | 1.00 |
| 21.20 | 25.15 | 12.20 | 11.00 | *16 x 16 | 12.20 | 15.00 | 19.75 | 1.00 |
| 23.80 | 29.00 | 13.20 | 12.00 | *16 x 18 | 13.20 | 16.20 | 22.25 | 1.00 |
| 26.30 | 32.75 | 13.60 | 12.35 | *16 x 20 | 13.60 | 16.55 | 24.60 | 1.00 |
| 29.00 | 35.40 | 16.20 | 14.75 | *16 x 22 | 16.20 | 19.50 | 28.00 | 1.00 |
| 31.60 | 38.65 | 16.50 | 15.00 | *16 x 24 | 16.50 | 20.00 | 29.60 | 1.00 |
| 36.70 | 45.10 | 27.05 | 24.60 | 16 x 28 | 27.05 | 30.80 | 35.00 | 1.00 |
| 39.40 | 48.30 | 30.70 | 27.90 | *16 x 30 | 30.70 | 35.00 | 37.50 | 1.00 |
| 42.50 | 51.00 | 34.10 | 31.00 | 16 x 32 | 34.10 | 38.25 | 42.00 | 1.00 |
| 50.00 | 57.00 | 39.60 | 36.00 | 16 x 36 | 39.60 | 45.00 | 50.00 | 1.00 |
| 62.50 | 79.20 | 50.00 | 45.00 | 16 x 42 | 50.00 | 57.00 | 61.00 | 1.00 |
| 26.60 | 33.65 | 20.35 | 18.50 | *18 x 18 | 20.35 | 23.75 | 26.00 | 1.00 |
| 30.00 | 36.00 | 21.45 | 19.50 | *18 x 20 | 21.45 | 24.75 | 29.00 | 1.00 |
| 32.10 | 39.30 | 22.55 | 20.50 | 18 x 21 | 22.55 | 26.00 | 30.00 | 1.00 |
| 34.00 | 42.50 | 23.00 | 21.00 | 18 x 22 | 23.00 | 26.70 | 32.50 | 1.00 |
| 35.50 | 44.95 | 23.65 | 21.50 | *18 x 24 | 23.65 | 27.75 | 34.25 | 1.00 |
| 39.90 | 50.20 | 30.25 | 27.50 | 18 x 27 | 30.25 | 35.00 | 39.00 | 1.00 |
| 42.50 | 54.00 | 31.80 | 28.90 | 18 x 28 | 31.80 | 36.50 | 41.50 | 1.00 |
| 44.30 | 56.15 | 34.35 | 31.25 | *18 x 30 | 34.35 | 38.00 | 43.00 | 1.00 |
| 54.10 | 67.35 | 41.80 | 38.00 | 18 x 36 | 41.80 | 48.50 | 54.00 | 1.00 |
| 64.00 | 85.00 | 56.00 | 52.00 | 18 x 48 | 56.00 | 60.00 | 75.00 | 1.00 |
| 32.50 | 43.90 | 21.75 | 19.75 | *20 x 20 | 21.75 | 24.75 | 32.40 | 1.00 |
| 35.70 | 48.30 | 23.75 | 21.60 | 20 x 22 | 23.75 | 27.60 | 35.70 | 1.00 |
| 39.00 | 51.50 | 24.20 | 22.00 | *20 x 24 | 24.20 | 28.20 | 39.00 | 1.00 |
| 42.00 | 55.75 | 25.85 | 23.50 | 20 x 26 | 25.85 | 32.00 | 42.00 | 1.00 |
| 45.50 | 60.00 | 31.80 | 28.90 | 20 x 28 | 31.80 | 37.40 | 45.50 | 1.00 |
| 49.00 | 64.35 | 36.85 | 33.50 | *20 x 30 | 36.85 | 43.00 | 49.00 | 1.00 |
| 52.00 | 68.65 | 41.25 | 37.50 | 20 x 32 | 41.25 | 48.50 | 52.00 | 1.00 |
| 59.00 | 77.20 | 47.30 | 43.00 | 20 x 36 | 47.30 | 54.00 | 59.00 | 1.00 |
| 95.00 | 103.50 | 69.50 | 62.50 | 20 x 48 | 69.50 | 78.50 | 81.00 | 1.00 |
| 37.00 | 48.30 | 26.95 | 24.50 | 21 x 21 | 26.95 | 31.00 | 37.00 | 1.00 |
| 44.00 | 57.00 | 30.80 | 28.00 | 21 x 25 | 30.80 | 35.50 | 44.00 | 1.00 |
| 52.00 | 66.35 | 31.90 | 29.00 | 21 x 29 | 31.90 | 40.50 | 52.00 | 1.00 |
| 41.00 | 52.70 | 31.35 | 28.50 | 22 x 22 | 31.35 | 36.50 | 41.00 | 1.00 |
| 44.00 | 57.00 | 32.45 | 29.50 | 22 x 24 | 32.45 | 37.90 | 44.00 | 1.00 |
| 48.00 | 62.70 | 34.10 | 31.00 | 22 x 26 | 34.10 | 41.00 | 48.00 | 1.00 |
| 52.00 | 67.10 | 37.30 | 33.90 | 22 x 28 | 37.30 | 44.00 | 52.00 | 1.00 |
| 55.00 | 71.90 | 39.60 | 36.00 | 22 x 30 | 39.60 | 46.50 | 55.00 | 1.00 |
| 59.00 | 76.65 | 46.20 | 42.00 | 22 x 32 | 46.20 | 54.00 | 59.00 | 1.00 |
| 66.00 | 86.25 | 52.25 | 47.50 | 22 x 36 | 52.25 | 60.50 | 66.00 | 1.00 |
| 70.00 | 91.00 | 57.20 | 52.00 | 22 x 38 | 57.20 | 65.50 | 70.00 | 1.00 |
| 76.00 | 100.00 | 68.00 | 61.00 | 22 x 40 | 68.00 | 70.00 | 76.00 | 1.00 |
| 82.50 | 105.00 | 70.40 | 64.00 | 22 x 42 | 70.40 | 75.00 | 82.50 | 1.00 |

See Notes on Page 60

## Registers (Multi-Valve)

Styles 30, 60 and 70

### Price List (Continued)

| White Porcelain Enamel | Solid Brass or Bronze Metal | White Japanned | Black Japanned | SIZE OF OPENING A | All TANBO Finishes | Electro-plated Oxidized Copper | Electro-plated Brass, Bronze or Nickel | If with Pulleys for Cord or Chain Add to List |
|---|---|---|---|---|---|---|---|---|
| $49.00 | $66.35 | $33.00 | $30.00 | *24 x 24 | $33.00 | $40.00 | $49.00 | $1.00 |
| 54.00 | 70.00 | 36.50 | 32.00 | 24 x 26 | 36.50 | 44.00 | 54.00 | 1.00 |
| 56.00 | 74.00 | 37.35 | 33.95 | *24 x 27 | 37.35 | 45.00 | 56.00 | 1.00 |
| 62.00 | 82.00 | 41.80 | 38.00 | *24 x 30 | 41.80 | 50.00 | 62.00 | 1.00 |
| 66.00 | 86.25 | 46.75 | 42.50 | 24 x 32 | 46.75 | 55.50 | 66.00 | 1.00 |
| 74.00 | 98.40 | 55.00 | 50.00 | *24 x 36 | 55.00 | 65.50 | 74.00 | 1.00 |
| 85.00 | 112.50 | 68.00 | 61.00 | 24 x 40 | 68.00 | 79.00 | 86.00 | 1.00 |
| 90.00 | 120.00 | 73.00 | 64.00 | 24 x 42 | 73.00 | 86.00 | 90.00 | 1.00 |
| 92.00 | 123.00 | 74.25 | 67.50 | 24 x 45 | 74.25 | 89.50 | 92.00 | 1.00 |
| 110.00 | 150.00 | 95.00 | 80.00 | 24 x 48 | 95.00 | 104.00 | 118.00 | 1.00 |
| 61.00 | 80.00 | 40.00 | 37.00 | 26 x 26 | 40.00 | 48.00 | 64.00 | 1.00 |
| 66.00 | 86.25 | 40.95 | 37.25 | 26 x 28 | 40.95 | 49.25 | 66.00 | 1.00 |
| 67.00 | 92.00 | 48.00 | 43.00 | 26 x 30 | 48.00 | 56.00 | 70.00 | 1.00 |
| 70.00 | 98.00 | 50.00 | 46.00 | 26 x 32 | 50.00 | 59.00 | 74.50 | 1.00 |
| 74.00 | 105.00 | 54.00 | 49.00 | 26 x 34 | 54.00 | 63.00 | 79.00 | 1.00 |
| 92.00 | 119.75 | 61.60 | 56.00 | 26 x 36 | 61.60 | 76.00 | 92.00 | 1.00 |
| 66.00 | 86.25 | 40.95 | 37.25 | 27 x 27 | 40.95 | 49.25 | 66.00 | 1.00 |
| 94.00 | 121.90 | 61.60 | 56.00 | 27 x 38 | 61.60 | 76.00 | 94.00 | 1.00 |
| 72.00 | 93.15 | 48.40 | 44.00 | 28 x 28 | 48.40 | 57.50 | 72.00 | 1.00 |
| 77.00 | 94.30 | 53.35 | 48.50 | 28 x 30 | 53.35 | 61.50 | 76.00 | 1.00 |
| 84.00 | 106.40 | 58.30 | 53.00 | 28 x 32 | 58.30 | 68.00 | 84.00 | 1.00 |
| 87.00 | 112.50 | 64.20 | 58.00 | 28 x 34 | 64.20 | 77.00 | 88.00 | 1.00 |
| 92.00 | 119.75 | 70.40 | 64.00 | 28 x 36 | 70.40 | 86.00 | 92.00 | 1.00 |
| 96.00 | 135.00 | 74.50 | 68.00 | 28 x 40 | 74.50 | 96.00 | 100.00 | 1.00 |
| 85.00 | 111.35 | 53.90 | 49.00 | *30 x 30 | 53.90 | 65.00 | 85.00 | 1.00 |
| 88.00 | 115.25 | 59.00 | 54.50 | 30 x 32 | 59.00 | 73.00 | 90.00 | 1.00 |
| 94.00 | 123.50 | 69.50 | 62.00 | 30 x 34 | 69.50 | 85.00 | 97.00 | 1.00 |
| 102.00 | 128.15 | 74.25 | 67.50 | *30 x 36 | 74.25 | 90.00 | 102.00 | 1.00 |
| 110.00 | 143.00 | 80.00 | 72.50 | 30 x 40 | 80.00 | 100.00 | 110.00 | 1.00 |
| 119.00 | 156.00 | 85.25 | 77.50 | *30 x 42 | 85.25 | 102.00 | 119.00 | 1.00 |
| 136.00 | 178.20 | 104.50 | 95.00 | 30 x 48 | 104.50 | 124.00 | 136.00 | 1.00 |
| 127.00 | 156.00 | 88.00 | 80.00 | *36 x 36 | 88.00 | 105.00 | 127.00 | 1.00 |
| 142.00 | 178.20 | 115.50 | 105.00 | 36 x 40 | 115.50 | 135.00 | 142.00 | 1.00 |
| 150.00 | 184.00 | 123.20 | 112.00 | *36 x 42 | 123.20 | 143.00 | 150.00 | 1.00 |
| 173.00 | 207.40 | 145.20 | 132.00 | 36 x 48 | 145.20 | 168.00 | 173.00 | 1.00 |
| 145.00 | 178.20 | 110.00 | 100.00 | 38 x 38 | 110.00 | 130.00 | 145.00 | 1.00 |
| 153.00 | 184.00 | 123.20 | 112.00 | 38 x 40 | 123.20 | 142.00 | 153.00 | 1.00 |
| 160.00 | 192.50 | 132.00 | 120.00 | 38 x 42 | 132.00 | 155.00 | 160.00 | 1.00 |

**Unless otherwise stated we assume that all sizes specified on orders are the opening sizes "A."**

**The extreme dimension "B" varies with the size of the Register from 1⅛" to 2⅜" larger than the opening size (see note page 64).**

**For Sand Blast Electroplated Finishes add 10% to above prices.**

**Special finishes to match woodwork or hardware can be furnished in Electroplate. Prices on application.**

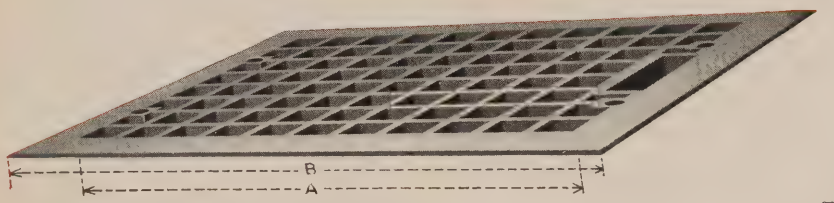
**Sizes starred (*) indicate that the article is carried in our warehouse stocks in the principal standard finishes for immediate shipment.**

**All sizes printed in black indicate that parts to make up are carried semi-finished at our factory to be assembled and finished for prompt shipment.**

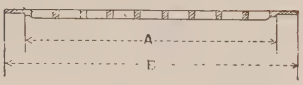
Sizes printed in red are made to order only.

## Register Faces

Styles 6, 7 and L




SECTION




## PRICE LIST

| White Porcelain Enamel | Solid Brass or Bronze Metal | White Japanned | Black Japanned | SIZE OF OPENING A | All TANBO Finishes | Electro-plated Oxidized Copper | Electro-plated Brass, Bronze or Nickel | Approximate Extreme Size B See note page 64 |
|---|---|---|---|---|---|---|---|---|
| $2.70 | $2.20 | $0.85 | $0.55 | *4 x 6 | $0.85 | $1.15 | $1.35 | 5¼ x 7¼ |
| 2.70 | 2.20 | .85 | .55 | 4½ x 6½ | .85 | 1.15 | 1.35 | 5⅝ x 7⅝ |
| 3.05 | 2.35 | .90 | .60 | *4 x 8 | .90 | 1.30 | 1.50 | 5¼ x 9¼ |
| 3.40 | 3.00 | 1.10 | .75 | *4 x 10 | 1.10 | 1.60 | 1.80 | 5¼ x 11¼ |
| 5.00 | 3.60 | 1.35 | .95 | *4 x 12 | 1.35 | 2.15 | 2.45 | 5¼ x 13¼ |
| 5.40 | 3.85 | 1.50 | 1.10 | 4 x 13 | 1.50 | 2.60 | 2.90 | 5¼ x 14¼ |
| 6.30 | 4.35 | 1.80 | 1.20 | 4 x 15 | 1.80 | 2.70 | 3.00 | 5¼ x 16 3/16 |
| 7.55 | 5.30 | 1.95 | 1.30 | 4 x 18 | 1.95 | 3.20 | 3.60 | 5¼ x 19¼ |
| 8.80 | 6.05 | 3.25 | 2.25 | 4 x 21 | 3.25 | 4.25 | 4.75 | 5¼ x 22 3/16 |
| 10.00 | 6.95 | 3.75 | 2.75 | 4 x 24 | 3.75 | 4.75 | 5.35 | 5¼ x 25¼ |
| 12.00 | 8.20 | 4.35 | 3.40 | 4 x 28 | 4.35 | 5.60 | 6.30 | 5¼ x 29¼ |
| 13.00 | 8.90 | 4.60 | 3.60 | 4 x 30 | 4.60 | 6.00 | 6.90 | 5¼ x 31¼ |
| 3.80 | 2.80 | 1.25 | .90 | 5 x 8 | 1.25 | 2.10 | 2.35 | 6 5/16 x 9 5/16 |
| 4.25 | 3.20 | 1.30 | 1.00 | 5 x 9 | 1.30 | 2.30 | 2.50 | 6 5/16 x 10 5/16 |
| 4.80 | 3.50 | 1.40 | 1.05 | 5 x 10 | 1.40 | 2.40 | 2.70 | 6 5/16 x 11 5/16 |
| 5.30 | 3.85 | 1.50 | 1.10 | 5 x 11 | 1.50 | 2.60 | 2.85 | 6 5/16 x 12 5/16 |
| 5.65 | 4.25 | 1.60 | 1.20 | 5 x 12 | 1.60 | 2.85 | 3.30 | 6 5/16 x 13 5/16 |
| 6.10 | 4.55 | 1.85 | 1.35 | 5 x 13 | 1.85 | 3.00 | 3.50 | 6 5/16 x 14 5/16 |
| 6.65 | 4.95 | 2.00 | 1.50 | 5 x 14 | 2.00 | 3.50 | 3.90 | 6 5/16 x 15 5/16 |
| 7.10 | 5.25 | 2.35 | 1.65 | 5 x 15 | 2.35 | 3.65 | 4.15 | 6 5/16 x 16 5/16 |
| 7.55 | 5.65 | 2.55 | 1.80 | 5 x 16 | 2.55 | 3.80 | 4.30 | 6 5/16 x 17 5/16 |
| 8.00 | 6.00 | 2.80 | 2.00 | 5 x 17 | 2.80 | 4.00 | 4.60 | 6 5/16 x 18 5/16 |
| 8.55 | 6.25 | 3.15 | 2.10 | 5 x 18 | 3.15 | 4.10 | 4.75 | 6 5/16 x 19 5/16 |
| 3.05 | 2.90 | 1.20 | .90 | *6 x 6 | 1.20 | 2.10 | 2.40 | 7 11/16 x 7 11/16 |
| 4.15 | 3.30 | 1.30 | 1.00 | *6 x 8 | 1.30 | 2.25 | 2.50 | 7 11/16 x 9 11/16 |
| 4.60 | 3.70 | 1.35 | 1.05 | *6 x 9 | 1.35 | 2.40 | 2.85 | 7 11/16 x 10 11/16 |
| 5.15 | 4.05 | 1.40 | 1.05 | *6 x 10 | 1.40 | 2.45 | 2.95 | 7 11/16 x 11 11/16 |
| 6.10 | 4.90 | 1.60 | 1.25 | *6 x 12 | 1.60 | 2.90 | 3.60 | 7 11/16 x 13 11/16 |
| 7.20 | 5.65 | 2.10 | 1.65 | 6 x 14 | 2.10 | 3.75 | 4.50 | 7 11/16 x 15 11/16 |
| 8.20 | 6.50 | 2.80 | 2.00 | 6 x 16 | 2.80 | 4.00 | 4.90 | 7 11/16 x 17 11/16 |
| 9.25 | 7.35 | 3.30 | 2.25 | 6 x 18 | 3.30 | 4.50 | 5.50 | 7 11/16 x 19 11/16 |
| 10.25 | 8.15 | 3.70 | 2.50 | 6 x 20 | 3.70 | 4.75 | 5.85 | 7 11/16 x 21 11/16 |
| 11.25 | 9.50 | 4.40 | 3.00 | 6 x 22 | 4.40 | 6.00 | 7.25 | 7 11/16 x 23 11/16 |
| 12.60 | 12.00 | 5.30 | 3.70 | 6 x 24 | 5.30 | 7.00 | 8.30 | 7 11/16 x 25 11/16 |
| 15.30 | 14.20 | 5.75 | 4.25 | 6 x 28 | 5.75 | 8.00 | 9.50 | 7 11/16 x 29⅝ |
| 16.65 | 16.00 | 6.25 | 4.75 | 6 x 30 | 6.25 | 8.90 | 10.65 | 7 11/16 x 31⅝ |
| 18.90 | 18.50 | 6.50 | 5.25 | 6 x 32 | 6.50 | 9.50 | 12.50 | 7 11/16 x 33⅝ |
| 30.00 | 30.00 | 9.50 | 7.50 | 6 x 36 | 9.50 | 14.75 | 17.50 | 7 11/16 x 37⅝ |
| 4.30 | 3.40 | 1.35 | 1.00 | 7 x 7 | 1.35 | 2.35 | 2.95 | 8 11/16 x 8 11/16 |
| 5.50 | 4.20 | 1.40 | 1.10 | 7 x 9 | 1.40 | 2.45 | 3.10 | 8 11/16 x 10 11/16 |
| 5.95 | 4.85 | 1.40 | 1.10 | *7 x 10 | 1.40 | 2.55 | 3.25 | 8 11/16 x 11 11/16 |
| 7.10 | 6.00 | 1.65 | 1.25 | 7 x 12 | 1.65 | 2.95 | 3.70 | 8 11/16 x 13 11/16 |
| 8.30 | 6.85 | 2.50 | 1.90 | 7 x 14 | 2.50 | 3.95 | 5.00 | 8 11/16 x 15⅝ |
| 8.90 | 7.30 | 3.30 | 2.55 | 7 x 15 | 3.30 | 4.70 | 5.70 | 8 11/16 x 16⅝ |

See Notes on Page 64

# Register Faces
Styles 6, 7 and L

## Price List (Continued)

| White Porcelain Enamel | Solid Brass or Bronze Metal | White Japanned | Black Japanned | SIZE OF OPENING A | All TANBO Finishes | Electro-plated Oxidized Copper | Electro-plated Brass, Bronze or Nickel | Approximate Extreme Size B See note page 64 |
|---|---|---|---|---|---|---|---|---|
| $4.95 | $4.35 | $1.40 | $1.05 | *8 x 8 | $1.40 | $2.45 | $3.15 | 9¾ x 9¾ |
| 6.20 | 5.55 | 1.45 | 1.10 | *8 x 10 | 1.45 | 2.60 | 3.30 | 9¾ x 11¾ |
| 7.45 | 6.90 | 1.70 | 1.30 | *8 x 12 | 1.70 | 3.05 | 3.75 | 9¾ x 13¾ |
| 8.10 | 7.30 | 2.40 | 1.85 | 8 x 13 | 2.40 | 3.85 | 4.85 | 9¾ x 14 11/16 |
| 8.70 | 8.10 | 2.60 | 2.00 | 8 x 14 | 2.60 | 3.95 | 5.10 | 9¾ x 15 11/16 |
| 9.25 | 8.65 | 3.35 | 2.60 | 8 x 15 | 3.35 | 4.80 | 5.80 | 9¾ x 16 11/16 |
| 10.10 | 9.25 | 3.60 | 2.70 | 8 x 16 | 3.60 | 5.00 | 6.25 | 9¾ x 17 11/16 |
| 11.15 | 10.60 | 4.80 | 3.50 | 8 x 18 | 4.80 | 6.00 | 7.30 | 9¾ x 19¾ |
| 12.15 | 12.00 | 5.60 | 3.90 | 8 x 20 | 5.60 | 6.90 | 8.25 | 9¾ x 21¾ |
| 13.05 | 13.80 | 5.80 | 4.00 | 8 x 21 | 5.80 | 7.50 | 9.00 | 9¾ x 22¾ |
| 15.75 | 15.60 | 6.00 | 4.70 | 8 x 24 | 6.00 | 8.70 | 10.50 | 9¾ x 25¾ |
| 18.00 | 17.30 | 6.80 | 5.40 | 8 x 27 | 6.80 | 9.55 | 11.50 | 9¾ x 28 11/16 |
| 19.45 | 18.65 | 7.90 | 6.30 | 8 x 30 | 7.90 | 10.50 | 12.60 | 9¾ x 31 11/16 |
| 31.00 | 30.00 | 11.20 | 9.25 | 8 x 36 | 11.20 | 15.00 | 20.00 | 9¾ x 37 11/16 |
| 45.00 | 36.00 | 17.00 | 14.00 | 8 x 48 | 17.00 | 22.50 | 30.00 | 9¾ x 49¾ |
| 6.20 | 5.95 | 1.80 | 1.40 | 9 x 9 | 1.80 | 3.30 | 4.30 | 10⅞ x 10⅞ |
| 8.20 | 8.00 | 1.90 | 1.45 | *9 x 12 | 1.90 | 3.35 | 4.45 | 10⅞ x 13⅞ |
| 8.80 | 8.60 | 2.55 | 2.00 | 9 x 13 | 2.55 | 4.00 | 5.20 | 10⅞ x 14⅞ |
| 9.55 | 9.25 | 2.75 | 2.15 | 9 x 14 | 2.75 | 4.25 | 5.50 | 10⅞ x 15⅞ |
| 10.15 | 10.00 | 3.45 | 2.65 | 9 x 15 | 3.45 | 4.90 | 6.20 | 10⅞ x 16 13/16 |
| 10.90 | 10.60 | 3.65 | 2.70 | 9 x 16 | 3.65 | 5.15 | 6.55 | 10⅞ x 17 13/16 |
| 12.25 | 12.45 | 4.95 | 3.60 | 9 x 18 | 4.95 | 6.30 | 7.95 | 10⅞ x 19⅞ |
| 13.60 | 14.00 | 5.65 | 4.30 | 9 x 20 | 5.65 | 7.40 | 9.20 | 10⅞ x 21⅞ |
| 14.95 | 14.65 | 6.15 | 4.50 | 9 x 22 | 6.15 | 8.10 | 10.15 | 10⅞ x 23⅞ |
| 16.40 | 16.10 | 6.50 | 5.30 | 9 x 24 | 6.50 | 9.30 | 11.40 | 10⅞ x 25⅞ |
| 19.50 | 18.60 | 7.85 | 6.35 | 9 x 26 | 7.85 | 10.25 | 12.65 | 10⅞ x 27⅞ |
| 21.85 | 21.00 | 8.45 | 6.80 | 9 x 28 | 8.45 | 11.90 | 14.40 | 10⅞ x 29 13/16 |
| 22.75 | 22.50 | 8.85 | 7.10 | 9 x 30 | 8.85 | 12.10 | 14.80 | 10⅞ x 31 13/16 |
| 29.00 | 28.40 | 11.20 | 8.75 | 9 x 32 | 11.20 | 15.75 | 19.00 | 10⅞ x 33 13/16 |
| 32.45 | 32.25 | 11.90 | 9.75 | 9 x 36 | 11.90 | 16.75 | 22.25 | 10⅞ x 37 13/16 |
| 7.40 | 7.50 | 2.15 | 1.65 | *10 x 10 | 2.15 | 3.65 | 4.65 | 11 15/16 x 11 15/16 |
| 8.80 | 9.15 | 2.20 | 1.70 | *10 x 12 | 2.20 | 3.70 | 4.80 | 11 15/16 x 13 15/16 |
| 10.35 | 10.55 | 2.85 | 2.20 | *10 x 14 | 2.85 | 4.30 | 5.60 | 11 15/16 x 15 15/16 |
| 11.40 | 11.60 | 3.45 | 2.65 | 10 x 15 | 3.45 | 4.90 | 6.40 | 11 15/16 x 16 15/16 |
| 11.80 | 12.45 | 3.95 | 2.95 | 10 x 16 | 3.95 | 5.30 | 6.70 | 11 15/16 x 17⅞ |
| 13.30 | 14.00 | 5.05 | 3.70 | *10 x 18 | 5.05 | 6.45 | 8.00 | 11 15/16 x 19⅞ |
| 14.75 | 15.60 | 5.75 | 4.35 | 10 x 20 | 5.75 | 7.50 | 9.30 | 11 15/16 x 21⅞ |
| 16.65 | 17.30 | 6.25 | 4.90 | 10 x 22 | 6.25 | 9.00 | 11.00 | 11 15/16 x 23⅞ |
| 18.90 | 18.25 | 6.60 | 5.35 | 10 x 24 | 6.60 | 9.45 | 12.00 | 11 15/16 x 25⅞ |
| 27.00 | 24.80 | 9.95 | 8.00 | *10 x 30 | 9.95 | 14.00 | 16.75 | 11 15/16 x 31⅞ |
| 33.45 | 33.25 | 12.40 | 10.00 | 10 x 36 | 12.40 | 17.25 | 22.75 | 11 15/16 x 37⅞ |
| 45.00 | 37.40 | 19.00 | 15.50 | 10 x 40 | 19.00 | 25.00 | 31.50 | 11 15/16 x 41⅞ |
| 57.00 | 50.00 | 24.00 | 19.25 | 10 x 48 | 24.00 | 28.00 | 45.00 | 11 15/16 x 49⅞ |
| 13.75 | 14.45 | 4.95 | 3.70 | 11 x 17 | 4.95 | 6.40 | 8.00 | 13 x 18 15/16 |
| 14.60 | 16.00 | 5.30 | 3.95 | 11 x 18 | 5.30 | 6.70 | 8.25 | 13 x 19 15/16 |
| 16.20 | 17.40 | 6.25 | 4.45 | 11 x 20 | 6.25 | 7.50 | 9.40 | 13 x 21 15/16 |
| 10.60 | 11.45 | 3.50 | 2.70 | *12 x 12 | 3.50 | 5.05 | 6.60 | 14 1/16 x 14 1/16 |
| 12.40 | 14.00 | 3.65 | 2.80 | *12 x 14 | 3.65 | 5.35 | 6.75 | 14 1/16 x 16 1/16 |
| 13.30 | 14.25 | 3.80 | 2.90 | *12 x 15 | 3.80 | 5.40 | 6.90 | 14 1/16 x 17 |
| 14.20 | 15.60 | 4.60 | 3.50 | *12 x 16 | 4.60 | 6.15 | 7.65 | 14 1/16 x 18 |
| 15.00 | 16.05 | 5.05 | 3.80 | 12 x 17 | 5.05 | 6.45 | 8.05 | 14 1/16 x 19 |
| 15.90 | 17.30 | 5.25 | 3.90 | *12 x 18 | 5.25 | 6.65 | 8.35 | 14 1/16 x 20 |
| 16.80 | 18.10 | 5.50 | 4.00 | 12 x 19 | 5.50 | 6.85 | 8.75 | 14 1/16 x 21 |
| 18.00 | 19.00 | 6.30 | 4.50 | *12 x 20 | 6.30 | 7.60 | 9.50 | 14 1/16 x 22 |
| 19.15 | 20.00 | 6.50 | 5.00 | 12 x 22 | 6.50 | 9.00 | 11.00 | 14 1/16 x 24 |
| 20.95 | 22.80 | 6.75 | 5.50 | *12 x 24 | 6.75 | 9.55 | 12.10 | 14 1/16 x 26 |
| 23.50 | 27.80 | 8.75 | 7.00 | 12 x 26 | 8.75 | 12.50 | 17.30 | 14 1/16 x 28 |
| 25.50 | 28.30 | 10.00 | 8.00 | 12 x 28 | 10.00 | 14.00 | 17.80 | 14 1/16 x 30 |
| 27.00 | 28.50 | 10.20 | 8.20 | *12 x 30 | 10.20 | 14.20 | 18.00 | 14 1/16 x 32 |
| 31.00 | 30.40 | 12.20 | 9.75 | 12 x 32 | 12.20 | 16.75 | 20.00 | 14 1/16 x 34 |
| 34.45 | 34.25 | 12.90 | 10.25 | 12 x 36 | 12.90 | 17.75 | 23.25 | 14 1/16 x 38 |
| 45.00 | 37.40 | 19.00 | 15.50 | 12 x 40 | 19.00 | 25.00 | 33.00 | 14 1/16 x 42 |
| 62.50 | 59.00 | 24.60 | 20.00 | 12 x 48 | 24.60 | 33.25 | 46.50 | 14 1/16 x 50 |

See Notes on Page 64

# Register Faces

Styles 6, 7 and L

## Price List (Continued)

| White Porcelain Enamel | Solid Brass or Bronze Metal | White Japanned | Black Japanned | SIZE OF OPENING A | All TANBO Finishes | Electro-plated Oxidized Copper | Electro-plated Brass, Bronze or Nickel | Approximate Extreme Size B See note page 64 |
|---|---|---|---|---|---|---|---|---|
| $14.60 | $16.00 | $5.60 | $4.05 | *14 x 14 | $5.60 | $7.15 | $9.60 | 16¼ x 16¼ |
| 15.55 | 17.25 | 5.85 | 4.20 | 14 x 15 | 5.85 | 7.25 | 10.00 | 16¼ x 17 5/16 |
| 16.55 | 18.25 | 6.00 | 4.30 | *14 x 16 | 6.00 | 7.30 | 11.00 | 16¼ x 18 5/16 |
| 18.10 | 20.50 | 6.30 | 4.50 | *14 x 18 | 6.30 | 7.50 | 12.00 | 16¼ x 20 5/16 |
| 20.95 | 23.10 | 6.40 | 4.80 | *14 x 20 | 6.40 | 8.50 | 13.00 | 16¼ x 22 5/16 |
| 24.65 | 25.45 | 6.50 | 5.00 | *14 x 22 | 6.50 | 9.00 | 14.50 | 16¼ x 24¼ |
| 26.55 | 27.50 | 8.40 | 6.90 | *14 x 24 | 8.40 | 11.50 | 16.50 | 16¼ x 26¼ |
| 30.00 | 36.65 | 12.00 | 9.50 | 14 x 28 | 12.00 | 15.75 | 22.75 | 16¼ x 30 5/16 |
| 32.00 | 39.90 | 13.20 | 10.75 | *14 x 30 | 13.20 | 18.00 | 25.00 | 16¼ x 32 5/16 |
| 45.00 | 48.00 | 19.60 | 16.00 | 14 x 36 | 19.60 | 25.00 | 33.00 | 16¼ x 38 5/16 |
| 52.00 | 55.00 | 22.60 | 18.00 | 14 x 40 | 22.60 | 31.00 | 41.50 | 16¼ x 42 5/16 |
| 62.55 | 59.00 | 24.60 | 20.00 | 14 x 48 | 24.60 | 35.25 | 46.50 | 16¼ x 50 3/16 |
| 16.65 | 18.25 | 6.15 | 4.90 | 15 x 15 | 6.15 | 8.90 | 11.90 | 17¼ x 17¼ |
| 23.85 | 28.00 | 7.45 | 6.20 | 15 x 21 | 7.45 | 10.50 | 16.25 | 17¼ x 23¼ |
| 27.90 | 31.50 | 8.85 | 7.10 | 15 x 25 | 8.85 | 12.60 | 20.00 | 17¼ x 27¼ |
| 33.75 | 39.90 | 13.20 | 10.75 | 15 x 30 | 13.20 | 18.00 | 25.00 | 17¼ x 32¼ |
| 41.40 | 42.90 | 16.90 | 13.75 | 15 x 34 | 16.90 | 23.25 | 30.50 | 17¼ x 36¼ |
| 45.00 | 48.00 | 21.00 | 18.00 | 15 x 36 | 21.00 | 26.00 | 40.00 | 17¼ x 38¼ |
| 19.05 | 21.00 | 6.20 | 5.10 | *16 x 16 | 6.20 | 9.10 | 12.80 | 18 5/16 x 18 5/16 |
| 21.40 | 24.80 | 6.50 | 5.30 | *16 x 18 | 6.50 | 9.50 | 14.25 | 18 5/16 x 20 5/16 |
| 23.65 | 28.00 | 7.35 | 6.10 | *16 x 20 | 7.35 | 10.30 | 16.00 | 18 5/16 x 22 5/16 |
| 26.10 | 30.20 | 8.15 | 6.70 | 16 x 22 | 8.15 | 11.50 | 18.00 | 18 5/16 x 24 5/16 |
| 28.45 | 33.00 | 8.50 | 7.00 | *16 x 24 | 8.50 | 12.00 | 19.25 | 18 5/16 x 26 5/16 |
| 33.05 | 37.20 | 12.45 | 10.00 | 16 x 28 | 12.45 | 16.20 | 22.75 | 18 5/16 x 30 5/16 |
| 35.45 | 41.15 | 13.80 | 11.00 | *16 x 30 | 13.80 | 18.25 | 25.00 | 18 5/16 x 32 5/16 |
| 38.25 | 43.40 | 16.20 | 13.10 | 16 x 32 | 16.20 | 20.35 | 27.50 | 18 5/16 x 34 5/16 |
| 45.00 | 48.00 | 19.60 | 16.00 | 16 x 36 | 19.60 | 25.00 | 33.00 | 18 5/16 x 38 5/16 |
| 60.00 | 69.65 | 24.60 | 21.00 | 16 x 42 | 24.60 | 34.00 | 42.50 | 18 5/16 x 44 5/16 |
| 23.95 | 28.50 | 9.05 | 7.20 | *18 x 18 | 9.05 | 12.45 | 16.50 | 20 5/16 x 20 5/16 |
| 27.00 | 30.50 | 9.55 | 7.60 | *18 x 20 | 9.55 | 12.85 | 18.00 | 20 5/16 x 22 5/16 |
| 28.90 | 33.70 | 9.80 | 7.75 | 18 x 21 | 9.80 | 13.25 | 19.00 | 20 5/16 x 23 5/16 |
| 30.50 | 35.00 | 10.00 | 8.00 | *18 x 22 | 10.00 | 14.00 | 21.00 | 20 5/16 x 24 5/16 |
| 31.95 | 37.00 | 10.50 | 8.35 | *18 x 24 | 10.50 | 14.60 | 22.50 | 20 5/16 x 26 5/16 |
| 35.90 | 42.90 | 13.50 | 10.75 | 18 x 27 | 13.50 | 18.25 | 25.50 | 20 5/16 x 29 5/16 |
| 38.00 | 46.00 | 14.40 | 11.50 | *18 x 28 | 14.40 | 20.00 | 27.75 | 20 5/16 x 30 5/16 |
| 39.85 | 47.75 | 16.35 | 13.25 | *18 x 30 | 16.35 | 21.00 | 28.50 | 20 5/16 x 32¼ |
| 48.70 | 57.75 | 21.05 | 17.25 | *18 x 36 | 21.05 | 28.10 | 36.00 | 20 5/16 x 38¼ |
| 58.00 | 75.00 | 30.00 | 26.00 | 18 x 48 | 30.00 | 34.00 | 50.00 | 20 5/16 x 50¼ |
| 29.25 | 36.75 | 10.00 | 8.00 | *20 x 20 | 10.00 | 13.00 | 21.20 | 22⅜ x 22⅜ |
| 32.15 | 41.15 | 10.55 | 8.40 | *20 x 22 | 10.55 | 14.40 | 23.50 | 22⅜ x 24⅜ |
| 35.10 | 44.00 | 10.80 | 8.60 | *20 x 24 | 10.80 | 14.80 | 25.50 | 22⅜ x 26⅜ |
| 37.80 | 47.00 | 11.85 | 9.50 | *20 x 26 | 11.85 | 17.50 | 27.50 | 22⅜ x 28⅜ |
| 40.95 | 49.75 | 14.40 | 11.50 | 20 x 28 | 14.40 | 20.00 | 30.00 | 22⅜ x 30⅜ |
| 44.10 | 55.10 | 16.85 | 13.50 | *20 x 30 | 16.85 | 23.50 | 32.50 | 22⅜ x 32⅜ |
| 46.80 | 58.00 | 20.85 | 17.10 | 20 x 32 | 20.85 | 28.10 | 34.00 | 22⅜ x 34⅜ |
| 53.10 | 66.15 | 22.80 | 18.50 | *20 x 36 | 22.80 | 29.50 | 39.00 | 22⅜ x 38⅜ |
| 80.00 | 85.40 | 33.00 | 26.00 | 20 x 48 | 33.00 | 42.00 | 52.50 | 22⅜ x 50⅜ |
| 29.60 | 41.15 | 12.20 | 9.75 | 21 x 21 | 12.20 | 16.25 | 24.75 | 23⅜ x 23⅜ |
| 35.20 | 48.00 | 13.90 | 11.10 | 21 x 25 | 13.90 | 18.60 | 29.00 | 23⅜ x 27⅜ |
| 41.60 | 56.75 | 14.50 | 11.60 | 21 x 29 | 14.50 | 22.20 | 34.00 | 23⅜ x 31⅜ |
| 32.80 | 45.00 | 14.25 | 11.40 | *22 x 22 | 14.25 | 19.40 | 27.00 | 24⅜ x 24⅜ |
| 35.20 | 48.00 | 14.75 | 11.80 | *22 x 24 | 14.75 | 20.20 | 29.00 | 24⅜ x 26⅜ |
| 38.40 | 50.00 | 16.20 | 13.10 | 22 x 26 | 16.20 | 23.00 | 32.00 | 24⅜ x 28⅜ |
| 41.60 | 57.50 | 17.30 | 13.90 | 22 x 28 | 17.30 | 24.00 | 34.00 | 24⅜ x 30⅜ |
| 44.00 | 61.70 | 19.60 | 16.00 | *22 x 30 | 19.60 | 26.50 | 36.50 | 24⅜ x 32⅜ |
| 47.20 | 66.00 | 21.70 | 17.50 | 22 x 32 | 21.70 | 29.50 | 39.00 | 24⅜ x 34⅜ |
| 52.80 | 75.00 | 25.25 | 20.50 | 22 x 36 | 25.25 | 35.00 | 44.50 | 24⅜ x 38⅜ |
| 56.00 | 78.00 | 27.70 | 22.50 | 22 x 38 | 27.70 | 37.50 | 47.00 | 24⅜ x 40⅜ |
| 63.00 | 83.50 | 31.00 | 25.00 | 22 x 40 | 31.00 | 42.00 | 50.00 | 24⅜ x 42⅜ |
| 66.00 | 86.40 | 33.40 | 27.00 | 22 x 42 | 33.40 | 43.00 | 53.50 | 24⅜ x 44⅜ |

See Notes on Page 64

# Register Faces

Styles 6, 7 and L

## Price List (Continued)

| White Porcelain Enamel | Solid Brass or Bronze Metal | White Japanned | Black Japanned | SIZE OF OPENING A | All TANBO Finishes | Electro-plated Oxidized Copper | Electro-plated Brass, Bronze or Nickel | Approximate Extreme Size B See note below |
|---|---|---|---|---|---|---|---|---|
| $39.20 | $56.75 | $15.00 | $12.00 | *24 x 24 | $15.00 | $22.00 | $32.50 | 26 3/8 x 26 3/8 |
| 42.00 | 60.50 | 17.00 | 14.00 | 24 x 26 | 17.00 | 24.00 | 35.50 | 26 3/8 x 28 3/8 |
| 44.80 | 64.00 | 17.40 | 14.00 | 24 x 27 | 17.40 | 25.00 | 37.00 | 26 3/8 x 29 3/8 |
| 49.60 | 70.00 | 21.05 | 17.25 | *24 x 30 | 21.05 | 29.25 | 41.50 | 26 3/8 x 32 3/8 |
| 52.00 | 75.00 | 22.25 | 18.00 | 24 x 32 | 22.25 | 31.00 | 44.50 | 26 3/8 x 34 3/8 |
| 59.20 | 85.10 | 27.00 | 22.00 | *24 x 36 | 27.00 | 37.50 | 50.30 | 26 3/8 x 38 3/8 |
| 70.00 | 96.00 | 31.00 | 25.00 | 24 x 40 | 31.00 | 43.00 | 58.50 | 26 3/8 x 42 3/8 |
| 72.00 | 101.00 | 33.40 | 27.00 | 24 x 42 | 33.40 | 45.50 | 61.00 | 26 3/8 x 44 3/8 |
| 73.60 | 106.00 | 35.25 | 28.50 | 24 x 45 | 35.25 | 50.50 | 63.00 | 26 3/8 x 47 3/8 |
| 95.00 | 130.00 | 48.00 | 33.00 | 24 x 48 | 48.00 | 57.00 | 80.00 | 26 3/8 x 50 3/8 |
| 48.50 | 67.00 | 20.00 | 16.50 | *26 x 26 | 20.00 | 27.50 | 42.00 | 28 3/8 x 28 3/8 |
| 52.80 | 75.00 | 20.70 | 17.00 | 26 x 28 | 20.70 | 29.00 | 44.50 | 28 3/8 x 30 3/8 |
| 54.30 | 81.00 | 21.00 | 19.50 | *26 x 30 | 21.00 | 32.00 | 47.00 | 28 3/8 x 32 3/8 |
| 56.00 | 87.50 | 22.50 | 20.80 | 26 x 32 | 22.50 | 35.00 | 50.00 | 28 3/8 x 34 3/8 |
| 59.50 | 92.00 | 25.00 | 22.10 | 26 x 34 | 25.00 | 36.50 | 54.00 | 28 3/8 x 36 3/8 |
| 73.60 | 102.00 | 30.60 | 25.00 | 26 x 36 | 30.60 | 45.00 | 63.00 | 28 3/8 x 38 3/8 |
| 52.80 | 75.00 | 20.70 | 17.00 | 27 x 27 | 20.70 | 29.00 | 44.50 | 29 3/8 x 29 3/8 |
| 75.20 | 104.50 | 30.60 | 25.00 | 27 x 38 | 30.60 | 45.00 | 64.00 | 29 3/8 x 40 3/8 |
| 57.60 | 80.00 | 23.40 | 19.00 | *28 x 28 | 23.40 | 32.50 | 49.00 | 30 3/8 x 30 3/8 |
| 61.60 | 81.00 | 25.85 | 21.00 | *28 x 30 | 25.85 | 35.50 | 52.50 | 30 3/8 x 32 3/8 |
| 67.20 | 92.00 | 29.80 | 24.50 | 28 x 32 | 29.80 | 39.50 | 55.00 | 30 3/8 x 34 3/8 |
| 70.00 | 96.50 | 31.70 | 25.80 | 28 x 34 | 31.70 | 44.00 | 59.00 | 30 3/8 x 36 3/8 |
| 73.60 | 102.00 | 33.40 | 27.00 | 28 x 36 | 33.40 | 49.00 | 63.00 | 30 3/8 x 38 3/8 |
| 77.20 | 114.00 | 37.50 | 30.00 | 28 x 40 | 37.50 | 54.00 | 71.00 | 30 3/8 x 42 3/8 |
| 68.00 | 97.00 | 26.40 | 21.50 | *30 x 30 | 26.40 | 37.00 | 56.00 | 32 3/8 x 32 3/8 |
| 73.00 | 101.00 | 30.50 | 25.00 | 30 x 32 | 30.50 | 42.00 | 60.00 | 32 3/8 x 34 3/8 |
| 78.00 | 108.00 | 33.75 | 26.00 | 30 x 34 | 33.75 | 49.00 | 67.00 | 32 3/8 x 36 3/8 |
| 81.60 | 110.00 | 35.25 | 28.50 | *30 x 36 | 35.25 | 51.00 | 70.00 | 32 3/8 x 38 3/8 |
| 87.50 | 124.00 | 39.00 | 31.00 | 30 x 40 | 39.00 | 55.50 | 79.00 | 32 3/8 x 42 3/8 |
| 95.20 | 135.15 | 40.75 | 33.00 | *30 x 42 | 40.75 | 57.50 | 87.00 | 32 3/8 x 44 3/8 |
| 108.80 | 155.00 | 48.50 | 39.00 | 30 x 48 | 48.50 | 68.00 | 94.00 | 32 3/8 x 50 3/8 |
| 101.60 | 135.15 | 43.00 | 35.00 | *36 x 36 | 43.00 | 60.00 | 83.00 | 38 3/8 x 38 3/8 |
| 113.60 | 155.00 | 54.50 | 44.00 | 36 x 40 | 54.50 | 74.00 | 95.00 | 38 3/8 x 42 3/8 |
| 120.00 | 160.00 | 57.20 | 46.00 | *36 x 42 | 57.20 | 77.00 | 96.50 | 38 3/8 x 44 3/8 |
| 138.40 | 178.00 | 67.20 | 54.00 | 36 x 48 | 67.20 | 90.00 | 103.00 | 38 3/8 x 50 3/8 |
| 116.00 | 155.00 | 53.50 | 43.50 | 38 x 38 | 53.50 | 71.00 | 95.50 | 40 3/8 x 40 3/8 |
| 122.40 | 160.00 | 57.20 | 46.00 | 38 x 40 | 57.20 | 76.00 | 97.00 | 40 3/8 x 42 3/8 |
| 128.00 | 165.00 | 62.00 | 50.00 | 38 x 42 | 62.00 | 85.00 | 100.00 | 40 3/8 x 44 3/8 |

Unless otherwise stated we assume that all sizes specified on orders are the opening size "A."

Note that the extreme size "B" as given in the last column of this list is APPROXIMATE ONLY. The rims vary in width according to size of Register Face, the thickness of the rim being less than in the fretwork. If EXACT extreme dimension "B" is desired it should be so stated when ordering or in request for estimate.

If so specified holes can be drilled in the rims, in which case state whether the Faces are to be attached to woodwork, iron framing or marble. The rims will not be drilled unless so ordered.

For Sand Blast Electroplated finishes add 10% to above prices.

Special finishes to match woodwork or hardware can be furnished in Electroplate. Prices on application.

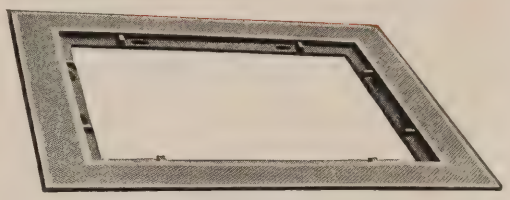
For Register Faces with Wheel Slot and Frame Hole openings closed see GRILLES (page 33).

Sizes starred (*) indicate that the article is carried in our warehouse stocks in the principal standard finishes for immediate shipment.

All sizes printed in black indicate that parts to make up are carried semi-finished at our factory to be assembled and finished for prompt shipment.

Sizes printed in red are made to order only.

## Borders
### Styles B and BR



### Price List

| White Porcelain Enamel | Solid Brass or Bronze Metal | Black Japanned | TO FIT REGISTER SIZE | Electro-plated Oxidized Copper | Electro-plated Brass, Bronze or Nickel | Floor Opening C See note page 67 |
|---|---|---|---|---|---|---|
| $2.70 | $5.40 | $1.15 | 4½ x 6½ | $1.75 | $2.10 | 7⅜ x 9 9/16 |
| 3.05 | 5.65 | 1.15 | 4 x 8 | 1.85 | 2.15 | 7⅛ x 11 1/16 |
| 3.40 | 6.60 | 1.15 | 4 x 10 | 2.00 | 2.40 | 7⅛ x 13 1/16 |
| 5.00 | 7.50 | 1.35 | 4 x 12 | 2.55 | 3.00 | 7⅛ x 15 1/16 |
| 5.40 | 8.05 | 1.75 | 4 x 13 | 3.25 | 3.75 | 7⅛ x 16 1/16 |
| 6.30 | 8.95 | 1.90 | 4 x 15 | 3.40 | 4.00 | 7⅛ x 18 1/16 |
| 7.55 | 9.95 | 2.75 | 4 x 18 | 4.65 | 5.00 | 7⅛ x 21 1/16 |
| 8.80 | 10.80 | 3.15 | 4 x 21 | 5.15 | 6.00 | 7⅛ x 24 1/16 |
| 10.00 | 11.50 | 3.75 | 4 x 24 | 5.75 | 7.00 | 7⅛ x 27 1/16 |
| 3.80 | 6.15 | 1.15 | 5 x 8 | 2.35 | 2.90 | 8⅛ x 11⅛ |
| 4.25 | 6.65 | 1.20 | 5 x 9 | 2.50 | 3.10 | 8⅛ x 12⅛ |
| 4.80 | 7.15 | 1.20 | 5 x 10 | 2.55 | 3.25 | 8⅛ x 13⅛ |
| 5.30 | 8.05 | 1.30 | 5 x 11 | 2.80 | 3.50 | 8⅛ x 14⅛ |
| 5.65 | 8.20 | 1.40 | 5 x 12 | 3.00 | 3.75 | 8⅛ x 15⅛ |
| 6.10 | 9.00 | 1.80 | 5 x 13 | 3.45 | 4.00 | 8⅛ x 16⅛ |
| 6.65 | 9.20 | 1.90 | 5 x 14 | 3.90 | 4.50 | 8⅛ x 17⅛ |
| 7.10 | 9.50 | 2.00 | 5 x 15 | 4.00 | 4.90 | 8⅛ x 18⅛ |
| 7.55 | 10.05 | 2.60 | 5 x 16 | 4.60 | 5.60 | 8⅛ x 19⅛ |
| 8.00 | 10.15 | 2.70 | 5 x 17 | 4.70 | 5.80 | 8⅛ x 20⅛ |
| 8.55 | 10.95 | 3.20 | 5 x 18 | 5.20 | 6.30 | 8⅛ x 21⅛ |
| 3.05 | 6.25 | 1.15 | 6 x 6 | 2.35 | 2.95 | 9 9/16 x 9 9/16 |
| 4.15 | 6.70 | 1.15 | 6 x 8 | 2.40 | 3.00 | 9 9/16 x 11 1/16 |
| 4.60 | 7.55 | 1.20 | 6 x 9 | 2.55 | 3.45 | 9 9/16 x 12 9/16 |
| 5.15 | 8.10 | 1.20 | 6 x 10 | 2.60 | 3.60 | 9 9/16 x 13 9/16 |
| 6.10 | 9.15 | 1.45 | 6 x 12 | 3.10 | 4.10 | 9 9/16 x 15 9/16 |
| 7.20 | 10.05 | 1.90 | 6 x 14 | 4.00 | 5.30 | 9 9/16 x 17 9/16 |
| 8.20 | 11.00 | 2.70 | 6 x 16 | 4.70 | 6.10 | 9 9/16 x 19 9/16 |
| 9.25 | 11.75 | 3.25 | 6 x 18 | 5.50 | 7.00 | 9 9/16 x 21 9/16 |
| 10.25 | 12.50 | 3.50 | 6 x 20 | 5.80 | 7.40 | 9 9/16 x 23 9/16 |
| 11.25 | 13.45 | 3.95 | 6 x 22 | 6.95 | 8.65 | 9 9/16 x 25 9/16 |
| 12.60 | 14.40 | 4.50 | 6 x 24 | 7.50 | 9.30 | 9 9/16 x 27 9/16 |
| 15.30 | 16.35 | 5.40 | 6 x 28 | 9.00 | 11.00 | 9 9/16 x 31 9/16 |
| 16.65 | 17.80 | 6.00 | 6 x 30 | 10.00 | 12.10 | 9 9/16 x 33 9/16 |
| 18.90 | 18.80 | 6.50 | 6 x 32 | 10.50 | 12.60 | 9 9/16 x 35 9/16 |
| 4.30 | 6.75 | 1.20 | 7 x 7 | 2.55 | 3.55 | 10 9/16 x 10 9/16 |
| 5.95 | 9.10 | 1.25 | 7 x 10 | 2.70 | 3.80 | 10 9/16 x 13 9/16 |
| 7.10 | 10.20 | 1.50 | 7 x 12 | 3.20 | 4.35 | 10 9/16 x 15 9/16 |
| 8.30 | 11.05 | 1.90 | 7 x 14 | 3.95 | 5.50 | 10 9/16 x 17 9/16 |
| 8.90 | 11.65 | 2.55 | 7 x 15 | 4.70 | 6.30 | 10 9/16 x 18 9/16 |
| 4.95 | 8.95 | 1.20 | 8 x 8 | 2.60 | 3.65 | 11⅞ x 11⅞ |
| 6.20 | 10.00 | 1.25 | *8 x 10 | 2.75 | 3.90 | 11⅞ x 13⅞ |
| 7.45 | 11.10 | 1.50 | *8 x 12 | 3.25 | 4.40 | 11⅞ x 15⅞ |
| 8.10 | 11.65 | 1.85 | 8 x 13 | 3.85 | 5.30 | 11⅞ x 16⅞ |
| 8.70 | 12.10 | 2.00 | 8 x 14 | 3.95 | 5.60 | 11⅞ x 17⅞ |
| 9.25 | 12.65 | 2.60 | 8 x 15 | 4.80 | 6.40 | 11⅞ x 18⅞ |
| 10.10 | 12.90 | 2.70 | 8 x 16 | 5.00 | 7.00 | 11⅞ x 19⅞ |
| 11.15 | 13.65 | 3.50 | 8 x 18 | 6.00 | 8.00 | 11⅞ x 21⅞ |
| 12.15 | 14.40 | 3.90 | 8 x 20 | 6.90 | 9.00 | 11⅞ x 23⅞ |
| 13.05 | 16.15 | 4.00 | 8 x 21 | 7.50 | 9.70 | 11⅞ x 24⅞ |
| 15.75 | 17.70 | 4.70 | 8 x 24 | 8.70 | 11.10 | 11⅞ x 27⅞ |
| 18.00 | 18.00 | 5.40 | 8 x 27 | 9.55 | 12.20 | 11⅞ x 30⅞ |
| 19.45 | 19.00 | 6.30 | 8 x 30 | 10.50 | 13.50 | 11⅞ x 33⅞ |

See Notes on Page 67

## Borders

### Styles B and BR

**Price List** (Continued)

| White Porcelain Enamel | Solid Brass or Bronze Metal | Black Japanned | TO FIT REGISTER SIZE | Electro-plated Oxidized Copper | Electro-plated Brass, Bronze or Nickel | Floor Opening C See note page 67 |
|---|---|---|---|---|---|---|
| $6.20 | $10.10 | $1.60 | 9 x 9 | $3.50 | $4.75 | 13 1/16 x 13 1/16 |
| 8.20 | 12.00 | 1.65 | *9 x 12 | 3.55 | 5.00 | 13 1/16 x 16 1/16 |
| 8.80 | 12.60 | 2.00 | 9 x 13 | 4.00 | 5.70 | 13 1/16 x 17 1/16 |
| 9.55 | 12.90 | 2.15 | 9 x 14 | 4.25 | 5.95 | 13 1/16 x 18 1/16 |
| 10.15 | 13.50 | 2.65 | 9 x 15 | 5.20 | 7.00 | 13 1/16 x 19 1/16 |
| 10.90 | 13.65 | 2.70 | 9 x 16 | 5.30 | 7.10 | 13 1/16 x 20 1/16 |
| 12.25 | 14.50 | 3.60 | 9 x 18 | 6.30 | 8.40 | 13 1/16 x 22 1/16 |
| 13.60 | 16.30 | 4.30 | 9 x 20 | 7.40 | 9.70 | 13 1/16 x 24 1/16 |
| 14.95 | 16.60 | 4.50 | 9 x 22 | 8.10 | 10.50 | 13 1/16 x 26 1/16 |
| 16.40 | 17.90 | 5.30 | 9 x 24 | 9.30 | 11.90 | 13 1/16 x 28 1/16 |
| 19.50 | 18.90 | 6.25 | 9 x 26 | 10.25 | 12.90 | 13 1/16 x 30 1/16 |
| 21.85 | 21.00 | 6.50 | 9 x 28 | 11.90 | 14.80 | 13 1/16 x 32 1/16 |
| 22.75 | 22.00 | 7.10 | 9 x 30 | 12.10 | 15.10 | 13 1/16 x 34 1/16 |
| 7.40 | 11.80 | 1.70 | 10 x 10 | 3.70 | 5.20 | 14 3/16 x 14 3/16 |
| 8.80 | 12.80 | 1.75 | *10 x 12 | 3.75 | 5.35 | 14 3/16 x 16 3/16 |
| 10.35 | 13.60 | 2.20 | *10 x 14 | 4.30 | 6.00 | 14 3/16 x 18 3/16 |
| 11 80 | 14.50 | 2.95 | 10 x 16 | 5.30 | 7.20 | 14 3/16 x 20 3/16 |
| 13.30 | 16.30 | 3.70 | 10 x 18 | 6.45 | 8.55 | 14 3/16 x 22 3/16 |
| 14.75 | 17.70 | 4.35 | 10 x 20 | 7.50 | 9.80 | 14 3/16 x 24 3/16 |
| 16.65 | 18.00 | 4.90 | 10 x 22 | 9.00 | 11.00 | 14 3/16 x 26 3/16 |
| 18.90 | 18.70 | 5.35 | 10 x 24 | 9.45 | 12.15 | 14 3/16 x 28 3/16 |
| 27.00 | 23.50 | 8.00 | 10 x 30 | 14.00 | 17.00 | 14 3/16 x 34 3/16 |
| 13.75 | 16.50 | 3.70 | 11 x 17 | 6.40 | 8.60 | 15 1/4 x 21 1/4 |
| 14.60 | 17.80 | 3.95 | 11 x 18 | 6.70 | 8.95 | 15 1/4 x 22 1/4 |
| 16.20 | 18.10 | 4.45 | 11 x 20 | 7.50 | 9.80 | 15 1/4 x 24 1/4 |
| 10.60 | 14.15 | 2.70 | 12 x 12 | 5.05 | 7.10 | 16 7/16 x 16 7/16 |
| 12.40 | 16.30 | 2.80 | *12 x 14 | 5.35 | 7.35 | 16 7/16 x 18 7/16 |
| 13.30 | 16.40 | 2.90 | *12 x 15 | 5.40 | 7.60 | 16 7/16 x 19 7/16 |
| 14.20 | 17.70 | 3.50 | 12 x 16 | 6.15 | 8.25 | 16 7/16 x 20 7/16 |
| 15.00 | 17.85 | 3.80 | 12 x 17 | 6.45 | 8.65 | 16 7/16 x 21 7/16 |
| 15.90 | 18.00 | 3.90 | 12 x 18 | 6.65 | 9.00 | 16 7/16 x 22 7/16 |
| 16.80 | 18.25 | 4.00 | 12 x 19 | 6.85 | 9.25 | 16 7/16 x 23 7/16 |
| 18.00 | 19.10 | 4.50 | 12 x 20 | 7.60 | 9.90 | 16 7/16 x 24 7/16 |
| 20.95 | 22.15 | 5.50 | 12 x 24 | 9.55 | 12.25 | 16 7/16 x 28 7/16 |
| 27.00 | 24.75 | 8.20 | 12 x 30 | 14.20 | 17.00 | 16 7/16 x 34 7/16 |
| 31.00 | 25.95 | 9.75 | 12 x 32 | 16.75 | 20.00 | 16 7/16 x 36 7/16 |
| 34.45 | 28.25 | 10.25 | 12 x 36 | 17.75 | 21.50 | 16 7/16 x 40 7/16 |
| 45.00 | 29.85 | 15.50 | 12 x 40 | 25.00 | 27.00 | 16 7/16 x 44 7/16 |
| 14.60 | 17.80 | 4.05 | 14 x 14 | 7.15 | 10.00 | 18 15/16 x 18 15/16 |
| 15.55 | 17.95 | 4.20 | 14 x 15 | 7.25 | 10.50 | 18 15/16 x 19 15/16 |
| 16.55 | 18.70 | 4.30 | *14 x 16 | 7.30 | 11.00 | 18 15/16 x 20 15/16 |
| 18.10 | 20.50 | 4.50 | *14 x 18 | 7.50 | 12.15 | 18 15/16 x 22 15/16 |
| 20.95 | 22.50 | 4.80 | *14 x 20 | 8.50 | 12.75 | 18 15/16 x 24 15/16 |
| 24.65 | 23.60 | 5.00 | 14 x 22 | 9.00 | 13.50 | 18 15/16 x 26 15/16 |
| 26.55 | 23.65 | 6.90 | 14 x 24 | 11.50 | 15.00 | 18 15/16 x 28 15/16 |
| 62.55 | 42.00 | 20 00 | 14 x 48 | 31.65 | 35.75 | 18 15/16 x 52 15/16 |
| 16.65 | 18.70 | 4.90 | 15 x 15 | 8.90 | 12.00 | 19 3/4 x 19 3/4 |
| 23.85 | 24.25 | 6.20 | 15 x 21 | 10.50 | 14.50 | 19 3/4 x 25 3/4 |
| 27.90 | 27.00 | 7.10 | 15 x 25 | 12.60 | 18.50 | 19 3/4 x 29 3/4 |
| 33.75 | 31.00 | 10.75 | 15 x 30 | 18.00 | 21.60 | 19 3/4 x 34 3/4 |
| 41.40 | 32.50 | 13.75 | 15 x 34 | 23.25 | 25.00 | 19 3/4 x 38 3/4 |
| 19.05 | 21.00 | 5.10 | 16 x 16 | 9.10 | 12.50 | 20 7/8 x 20 7/8 |
| 21.40 | 23.50 | 5.30 | 16 x 18 | 9.50 | 13.25 | 20 7/8 x 22 7/8 |
| 23.65 | 24.25 | 6.10 | *16 x 20 | 10.30 | 14.00 | 20 7/8 x 24 7/8 |
| 26.10 | 25.55 | 6.70 | 16 x 22 | 11.50 | 16.00 | 20 7/8 x 26 7/8 |
| 28.45 | 27.60 | 7.00 | *16 x 24 | 12.00 | 17.10 | 20 7/8 x 28 7/8 |
| 33.05 | 29.75 | 10.00 | 16 x 28 | 16.20 | 18.80 | 20 7/8 x 32 7/8 |
| 35.45 | 31.50 | 11.00 | 16 x 30 | 18.25 | 21.60 | 20 7/8 x 34 7/8 |
| 38.25 | 33.35 | 13.10 | 16 x 32 | 20.35 | 22.00 | 20 7/8 x 36 7/8 |
| 45.00 | 35.00 | 16.00 | 16 x 36 | 25.00 | 27.00 | 20 7/8 x 40 7/8 |

**See Notes on Page 67**

# Borders

## Styles B and BR

### Price List (Continued)

| White Porcelain Enamel | Solid Brass or Bronze Metal | Black Japanned | TO FIT REGISTER SIZE | Electro-plated Oxidized Copper | Electro-plated Brass, Bronze or Nickel | Floor Opening C See note below |
|---|---|---|---|---|---|---|
| $23.95 | $24.75 | $ 7.20 | 18 x 18 | $12.45 | $15.00 | $22\frac{15}{16}$ x $22\frac{15}{16}$ |
| 27.00 | 26.20 | 7.60 | 18 x 20 | 12.85 | 17.00 | $22\frac{15}{16}$ x $24\frac{15}{16}$ |
| 28.90 | 27.65 | 7.75 | 18 x 21 | 13.25 | 18.00 | $22\frac{15}{16}$ x $25\frac{15}{16}$ |
| 31.95 | 29.50 | 8.35 | *18 x 24 | 14.60 | 18.75 | $22\frac{15}{16}$ x $28\frac{15}{16}$ |
| 35.90 | 32.50 | 10.75 | 18 x 27 | 18.25 | 21.70 | $22\frac{15}{16}$ x $31\frac{15}{16}$ |
| 39.85 | 34.75 | 13.25 | 18 x 30 | 21.00 | 22.70 | $22\frac{15}{16}$ x $34\frac{15}{16}$ |
| 48.70 | 38.30 | 17.25 | 18 x 36 | 26.00 | 28.00 | $22\frac{15}{16}$ x $40\frac{15}{16}$ |
| 29.25 | 29.00 | 8.00 | 20 x 20 | 13.00 | 18.10 | $25\frac{1}{8}$ x $25\frac{1}{8}$ |
| 32.15 | 31.50 | 8.40 | 20 x 22 | 14.40 | 19.00 | $25\frac{1}{8}$ x $27\frac{1}{8}$ |
| 35.10 | 33.50 | 8.60 | *20 x 24 | 14.80 | 21.70 | $25\frac{1}{8}$ x $29\frac{1}{8}$ |
| 37.80 | 34.65 | 9.50 | 20 x 26 | 17.50 | 22.00 | $25\frac{1}{8}$ x $31\frac{1}{8}$ |
| 40.95 | 36.00 | 11.50 | 20 x 28 | 20.00 | 24.50 | $25\frac{1}{8}$ x $33\frac{1}{8}$ |
| 44.10 | 37.00 | 13.50 | 20 x 30 | 23.50 | 26.00 | $25\frac{1}{8}$ x $35\frac{1}{8}$ |
| 46.80 | 39.00 | 17.10 | 20 x 32 | 26.00 | 27.50 | $25\frac{1}{8}$ x $37\frac{1}{8}$ |
| 53 10 | 50.00 | 18.50 | 20 x 36 | 28.50 | 31.50 | $25\frac{1}{8}$ x $41\frac{1}{8}$ |
| 29.60 | 31.50 | 9.75 | 21 x 21 | 16.25 | 21.00 | $26\frac{1}{2}$ x $26\frac{1}{2}$ |
| 35.20 | 35.00 | 11.10 | 21 x 25 | 18.60 | 23.00 | $26\frac{1}{2}$ x $30\frac{1}{2}$ |
| 41.60 | 37.30 | 11.60 | 21 x 29 | 22.20 | 27.50 | $26\frac{1}{2}$ x $34\frac{1}{2}$ |
| 32.80 | 34.50 | 11.40 | 22 x 22 | 19.40 | 21.75 | $27\frac{1}{2}$ x $27\frac{1}{2}$ |
| 35.20 | 35.00 | 11.80 | 22 x 24 | 20.20 | 23.00 | $27\frac{1}{2}$ x $29\frac{1}{2}$ |
| 38.40 | 36.50 | 13.10 | 22 x 26 | 23.00 | 25.50 | $27\frac{1}{2}$ x $31\frac{1}{2}$ |
| 41.60 | 38.00 | 13.90 | 22 x 28 | 24.00 | 27.50 | $27\frac{1}{2}$ x $33\frac{1}{2}$ |
| 44.00 | 43.10 | 16.00 | 22 x 30 | 25.50 | 28.75 | $27\frac{1}{2}$ x $35\frac{1}{2}$ |
| 47.20 | 49.25 | 17.50 | 22 x 32 | 28.50 | 31.50 | $27\frac{1}{2}$ x $37\frac{1}{2}$ |
| 52.80 | 57.00 | 20.50 | 22 x 36 | 31.75 | 34.00 | $27\frac{1}{2}$ x $41\frac{1}{2}$ |
| 56.00 | 60.00 | 22.50 | 22 x 38 | 34.25 | 36.00 | $27\frac{1}{2}$ x $43\frac{1}{2}$ |
| 66.00 | 65.00 | 27.00 | 22 x 42 | 35.00 | 39.50 | $27\frac{1}{2}$ x $47\frac{1}{2}$ |
| 39.20 | 37.30 | 12.00 | *24 x 24 | 22.00 | 26.00 | $29\frac{1}{2}$ x $29\frac{1}{2}$ |
| 44.80 | 47.50 | 14.00 | 24 x 27 | 25.00 | 29.00 | $29\frac{1}{2}$ x $32\frac{1}{2}$ |
| 49.60 | 54.00 | 17.25 | *24 x 30 | 28.25 | 32.00 | $29\frac{1}{2}$ x $35\frac{1}{2}$ |
| 52.00 | 57.00 | 18.00 | 24 x 32 | 30.00 | 34.00 | $29\frac{1}{2}$ x $37\frac{1}{2}$ |
| 59.20 | 64.00 | 22.00 | 24 x 36 | 34.25 | 36.50 | $29\frac{1}{2}$ x $41\frac{1}{2}$ |
| 73.60 | 80.00 | 28.50 | 24 x 45 | 40.00 | 45.00 | $29\frac{1}{2}$ x $50\frac{1}{2}$ |
| 52.80 | 57.00 | 17.00 | 27 x 27 | 28.00 | 34.00 | $32\frac{1}{2}$ x $32\frac{1}{2}$ |
| 75.20 | 78.00 | 25.00 | 27 x 38 | 36.00 | 46.00 | $32\frac{1}{2}$ x $43\frac{1}{2}$ |
| 57.60 | 62.00 | 19.00 | 28 x 28 | 31.00 | 36.40 | $33\frac{1}{2}$ x $33\frac{1}{2}$ |
| 61.60 | 63.00 | 21.00 | 28 x 30 | 32.00 | 37.00 | $33\frac{1}{2}$ x $35\frac{1}{2}$ |
| 67.20 | 69.00 | 24.50 | 28 x 32 | 35 00 | 40.50 | $33\frac{1}{2}$ x $37\frac{1}{2}$ |
| 73.60 | 76.00 | 27.00 | 28 x 36 | 37 00 | 45.00 | $33\frac{1}{2}$ x $41\frac{1}{2}$ |
| 68.00 | 74.00 | 21.50 | *30 x 30 | 34.00 | 41.00 | $35\frac{1}{2}$ x $35\frac{1}{2}$ |
| 81.60 | 83.00 | 28.50 | *30 x 36 | 41.00 | 48.00 | $35\frac{1}{2}$ x $41\frac{1}{2}$ |
| 95.20 | 110.00 | 29.00 | 30 x 42 | 50.50 | 60.00 | $35\frac{1}{2}$ x $47\frac{1}{2}$ |
| 108.80 | 125.00 | 31.00 | 30 x 48 | 60.00 | 72.00 | $35\frac{1}{2}$ x $53\frac{1}{2}$ |
| 101.60 | 110.00 | 29.50 | 36 x 36 | 54.50 | 66.00 | $41\frac{1}{2}$ x $41\frac{1}{2}$ |
| 113.60 | 125.00 | 32.10 | 36 x 40 | 62.10 | 76.00 | $41\frac{1}{2}$ x $45\frac{1}{2}$ |
| 120.00 | 130.00 | 34.00 | 36 x 42 | 65.00 | 80.50 | $41\frac{1}{2}$ x $47\frac{1}{2}$ |
| 138.40 | 167.00 | 40.00 | 36 x 48 | 76.00 | 87.00 | $41\frac{1}{2}$ x $53\frac{1}{2}$ |
| 116.00 | 125.00 | 32.00 | 38 x 38 | 59.50 | 77.00 | $43\frac{1}{2}$ x $43\frac{1}{2}$ |
| 122.40 | 130.00 | 34.00 | 38 x 40 | 64.00 | 81.50 | $43\frac{1}{2}$ x $45\frac{1}{2}$ |
| 128.00 | 135.00 | 36.00 | 38 x 42 | 71.00 | 83.50 | $43\frac{1}{2}$ x $47\frac{1}{2}$ |

**For Borders with Rib "C" which marks the floor opening, specify Style B.**

**For Borders—Ribless (flat on the back) specify Style BR.**

**Sizes starred (*) indicate that the article is carried in our warehouse stocks in the principal standard finishes for immediate shipment.**

**All sizes printed in black indicate that parts to make up are carried semi-finished at our factory to be assembled and finished for prompt shipment.**

**Sizes printed in red are made to order only.**

## Slate Borders. Shipped only at Buyer's Risk

### Price List

| For Register | Slate | For Register | Slate | For Register | Slate | For Register | Slate | For Register | Slate | For Register | Slate |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *6 x 8 | $0.90 | *3 x 10 | $1.15 | *10 x 12 | $1.70 | *12 x 18 | $3.00 | 15 x 25 | $7.00 | 20 x 26 | $9.40 |
| 6 x 9 | .95 | *8 x 12 | 1.30 | *10 x 14 | 1.85 | 12 x 19 | 3.20 | | | | |
| *6 x 10 | 1.00 | 8 x 15 | 1.75 | 10 x 16 | 2.40 | 12 x 20 | 3.65 | 16 x 16 | 5.00 | 21 x 29 | 10.50 |
| 6 x 14 | 1.30 | 8 x 18 | 2.00 | 10 x 18 | 2.80 | 12 x 24 | 4.25 | *16 x 20 | 6.25 | | |
| 6 x 16 | 1.50 | | | 10 x 20 | 3.00 | | | *16 x 24 | 8.15 | 24 x 24 | 11.00 |
| 6 x 18 | 1.70 | 9 x 9 | 1.25 | | | | | | | | |
| | | *9 x 12 | 1.65 | 12 x 12 | 2.00 | 14 x 14 | 3.30 | *18 x 24 | 8.65 | 27 x 27 | 11.50 |
| 7 x 7 | 1.00 | 9 x 13 | 1.70 | *12 x 14 | 2.30 | *14 x 16 | 3.70 | | | 27 x 38 | 13.00 |
| *7 x 10 | 1.10 | *9 x 14 | 1.75 | *12 x 15 | 2.45 | *14 x 18 | 4.00 | | | | |
| | | | | *12 x 16 | 2.65 | *14 x 20 | 4.50 | 20 x 20 | 8.15 | | |
| *8 x 8 | 1.05 | 10 x 10 | 1.60 | *12 x 17 | 2.80 | *14 x 22 | 4.70 | 20 x 24 | 9.00 | 30 x 30 | 15.00 |

## Registers for Sidewall (Multi-Valve)

## Convex. Styles 25, 26 and 75

### Price List

| White Porcelain Enamel | Solid Brass or Bronze Metal | White Japanned | Black Japanned | SIZE OF OPENING | All TANBO Finishes | Electro-plated Oxidized Copper | Electro-plated Brass, Bronze or Nickel |
|---|---|---|---|---|---|---|---|
| $4.30 | $4.40 | $2.40 | $2.00 | 4 x 8 | $2.40 | $2.70 | $3.30 |
| 5.70 | 5.80 | 2.65 | 2.20 | 6 x 8 | 2.65 | 3.45 | 4.20 |
| 6.65 | 6.95 | 2.95 | 2.30 | 6 x 10 | 2.95 | 3.70 | 4.45 |
| 8.15 | 8.50 | 3.20 | 2.65 | 6 x 12 | 3.20 | 4.30 | 5.55 |
| 7.80 | 8.10 | 2.85 | 2.35 | 7 x 10 | 2.85 | 3.85 | 5.00 |
| 7.80 | 8.10 | 2.85 | 2.35 | 8 x 8 | 2.85 | 3.80 | 5.00 |
| 8.15 | 8.50 | 2.90 | 2.40 | *8 x 10 | 2.90 | 3.90 | 5.10 |
| 9.65 | 10.20 | 3.25 | 2.70 | *8 x 12 | 3.25 | 4.45 | 5.75 |
| 11.90 | 12.50 | 5.40 | 4.50 | 8 x 15 | 5.40 | 6.70 | 8.60 |
| 13.70 | 14.45 | 8.70 | 7.25 | 8 x 18 | 8.70 | 10.00 | 12.00 |
| 8.40 | 8.80 | 3.50 | 2.90 | 9 x 9 | 3.50 | 4.80 | 6.40 |
| 10.60 | 11.25 | 3.60 | 3.00 | *9 x 12 | 3.60 | 4.90 | 6.60 |
| 12.20 | 12.90 | 4.70 | 3.90 | 9 x 14 | 4.70 | 6.10 | 8.10 |
| 10.00 | 10.65 | 4.15 | 3.45 | 10 x 10 | 4.15 | 5.45 | 7.15 |
| 11.90 | 12.50 | 4.50 | 3.75 | *10 x 12 | 4.50 | 5.75 | 7.60 |
| 14.35 | 15.20 | 6.00 | 5.00 | 10 x 14 | 6.00 | 7.10 | 9.40 |
| 17.00 | 18.10 | 8.70 | 7.25 | 10 x 16 | 8.70 | 9.60 | 12.45 |
| 17.10 | 18.20 | 8.55 | 7.10 | 12 x 12 | 8.55 | 9.45 | 12.50 |
| 18.35 | 19.50 | 8.90 | 7.40 | 12 x 14 | 8.90 | 9.90 | 12.80 |
| 19.30 | 20.55 | 9.00 | 7.50 | 12 x 15 | 9.00 | 10.00 | 13.00 |
| 21.00 | 22.50 | 10.50 | 8.75 | 12 x 16 | 10.50 | 11.40 | 15.00 |
| 21.80 | 23.40 | 12.00 | 10.00 | 12 x 17 | 12.00 | 13.20 | 15.70 |
| 23.20 | 24.90 | 13.25 | 11.20 | 12 x 18 | 13.25 | 14.50 | 16.75 |
| 24.70 | 26.75 | 14.50 | 12.50 | 12 x 19 | 14.50 | 15.90 | 18.25 |
| 27.80 | 29.80 | 16.50 | 14.50 | 12 x 20 | 16.50 | 18.00 | 21.90 |
| 32.40 | 34.65 | 20.00 | 17.50 | 12 x 24 | 20.00 | 22.00 | 27.75 |
| 22.00 | 23.90 | 16.00 | 14.00 | 14 x 14 | 16.00 | 17.50 | 20.00 |
| 24.00 | 26.20 | 17.00 | 15.00 | 14 x 16 | 17.00 | 18.60 | 22.00 |
| 25.85 | 27.85 | 18.25 | 16.00 | 14 x 18 | 18.25 | 20.00 | 24.25 |
| 26.50 | 28.50 | 19.25 | 17.00 | 14 x 20 | 19.25 | 21.25 | 25.25 |
| 29.00 | 31.10 | 20.50 | 18.00 | 14 x 22 | 20.50 | 22.75 | 28.00 |
| 32.00 | 34.25 | 22.50 | 20.00 | 16 x 20 | 22.50 | 25.00 | 31.50 |
| 38.50 | 41.00 | 29.00 | 26.00 | 16 x 24 | 29.00 | 32.00 | 38.50 |
| 41.00 | 44.00 | 30.00 | 27.00 | 18 x 21 | 30.00 | 33.00 | 41.00 |
| 44.00 | 48.50 | 33.00 | 30.00 | 18 x 24 | 33.00 | 36.00 | 44.00 |
| 43.00 | 47.00 | 32.50 | 28.50 | 20 x 20 | 32.50 | 35.50 | 43.00 |
| 60.00 | 70.00 | 46.00 | 40.00 | 24 x 24 | 46.00 | 50.00 | 60.00 |

For sizes furnished in each Style see Page 10

# Round Registers (Multi-Valve)
# Round Faces and Borders

## Price Lists

### Round Registers. Styles OO and Plain Lattice

| White Porcelain Enamel | Brass or Bronze Metal | White Japanned | Black Japanned | SIZE OF OPENING | All TANBO Finishes | Electro-plated Oxidized Copper | Electro-plated Brass, Bronze or Nickel | If with Pulleys for Cord or Chain Add to List |
|---|---|---|---|---|---|---|---|---|
| $3.40 | $3.60 | $1.80 | $1.50 | * 6″ | $1.80 | $2.70 | $3.00 | $0.50 |
| 4.40 | 4.60 | 1.90 | 1.55 | * 7″ | 1.90 | 2.90 | 3.50 | .50 |
| 5.50 | 5.60 | 1.95 | 1.60 | * 8″ | 1.95 | 3.00 | 3.70 | .50 |
| 6.90 | 7.20 | 2.40 | 2.00 | * 9″ | 2.40 | 3.90 | 4.90 | .50 |
| 8.20 | 9.50 | 2.85 | 2.35 | *10″ | 2.85 | 4.35 | 5.35 | .50 |
| 11.80 | 13.75 | 4.80 | 4.00 | *12″ | 4.80 | 6.35 | 7.90 | .50 |
| 16.20 | 19.00 | 9.45 | 7.90 | 14″ | 9.45 | 11.00 | 14.30 | 1.00 |
| 21.20 | 25.15 | 12.20 | 11.00 | 16″ | 12.20 | 15.00 | 19.75 | 1.00 |
| 26.60 | 33.65 | 20.35 | 18.50 | 18″ | 20.35 | 23.75 | 26.00 | 1.00 |
| 32.50 | 43.90 | 21.75 | 19.75 | 20″ | 21.75 | 24.75 | 32.40 | 1.00 |
| 49.00 | 66.35 | 33.00 | 30.00 | 24″ | 33.00 | 40.00 | 49.00 | 1.00 |
| 72.00 | 93.15 | 48.40 | 44.00 | 28″ | 48.40 | 57.50 | 72.00 | 1.00 |
| 85.00 | 111.35 | 53.90 | 49.00 | 30″ | 53.90 | 65.00 | 85.00 | 1.00 |
| 127.00 | 156.00 | 88.00 | 80.00 | 36″ | 88.00 | 105.00 | 127.00 | 1.00 |

Plain Lattice—to order only.

### Round Faces. Style O and Plain Lattice

| White Porcelain Enamel | Brass or Bronze Metal | White Japanned | Black Japanned | SIZE OF OPENING | All TANBO Finishes | Electro-plated Oxidized Copper | Electro-plated Brass, Bronze or Nickel | Approximate Extreme Size |
|---|---|---|---|---|---|---|---|---|
| 2.05 | $3.05 | $1.20 | $0.90 | 6″ | $1.20 | $2.10 | $2.40 | 7¼″ |
| 3.90 | 4.00 | 1.35 | 1.00 | 7″ | 1.35 | 2.35 | 2.95 | 8⅜″ |
| 4.85 | 5.00 | 1.40 | 1.05 | 8″ | 1.40 | 2.45 | 3.15 | 9⅜″ |
| 5.90 | 6.10 | 1.80 | 1.40 | 9″ | 1.80 | 3.30 | 4.30 | 10⅝″ |
| 7.30 | 7.50 | 2.15 | 1.65 | 10″ | 2.15 | 3.65 | 4.65 | 11⅝″ |
| 10.60 | 11.45 | 3.50 | 2.70 | 12″ | 3.50 | 5.05 | 6.60 | 13¾″ |
| 14.60 | 16.00 | 5.60 | 4.05 | 14″ | 5.60 | 7.15 | 9.60 | 15⅝″ |
| 19.05 | 21.00 | 6.20 | 5.10 | 16″ | 6.20 | 9.10 | 12.80 | 17⅞″ |
| 23.95 | 28.50 | 9.05 | 7.20 | 18″ | 9.05 | 12.45 | 16.50 | 19⅞″ |
| 29.25 | 36.75 | 10.00 | 8.00 | 20″ | 10.00 | 13.00 | 21.20 | 21⅞″ |
| 32.50 | 56.75 | 15.00 | 12.00 | 24″ | 15.00 | 22.00 | 32.50 | 26½″ |
| 49.00 | 80.00 | 23.40 | 19.00 | 28″ | 23.40 | 32.50 | 49.00 | 30⅜″ |
| 56.00 | 97.00 | 26.40 | 21.50 | 30″ | 26.40 | 37.00 | 56.00 | 32″ |
| 83.00 | 135.15 | 43.00 | 35.00 | 36″ | 43.00 | 60.00 | 83.00 | 38⅜″ |

Plain Lattice—to order only.

### Round Borders. Style BO

| White Porcelain Enamel | Brass or Bronze Metal | White Japanned | Black Japanned | TO FIT REGISTER SIZE | All TANBO Finishes | Electro-plated Oxidized Copper | Electro-plated Brass, Bronze or Nickel | Floor Opening Size |
|---|---|---|---|---|---|---|---|---|
| $3.05 | $6.25 | $1.35 | $1.15 | 6″ | $1.35 | $2.35 | $2.95 | 9½″ |
| 4.30 | 6.75 | 1.50 | 1.20 | * 7″ | 1.50 | 2.55 | 3.55 | 10⅞″ |
| 4.95 | 8.95 | 1.50 | 1.20 | * 8″ | 1.50 | 2.60 | 3.65 | 12⅜″ |
| 6.20 | 10.10 | 1.80 | 1.60 | * 9″ | 1.80 | 3.50 | 4.75 | 13⅜″ |
| 7.40 | 11.80 | 2.15 | 1.70 | *10″ | 2.15 | 3.70 | 5.20 | 14½″ |
| 10.60 | 14.15 | 3.50 | 2.70 | 12″ | 3.50 | 5.05 | 7.10 | 16¾″ |
| 14.60 | 17.80 | 5.60 | 4.05 | 14″ | 5.60 | 7.15 | 10.00 | 18⅞″ |
| 19.05 | 21.00 | 6.20 | 5.10 | 16″ | 6.20 | 9.10 | 12.50 | 21¼″ |
| 23.95 | 24.75 | 9.05 | 7.20 | 18″ | 9.05 | 12.45 | 15.00 | 23⅝″ |
| 28.25 | 29.00 | 10.00 | 8.00 | 20″ | 10.00 | 13.00 | 18.10 | 24⅝″ |
| 32.50 | 37.30 | 15.00 | 12.00 | 24″ | 15.00 | 22.00 | 26.00 | 29¼″ |
| 49.00 | 62.00 | 23.40 | 19.00 | 28″ | 23.40 | 31.00 | 36.40 | 33 3/16″ |
| 56.00 | 74.00 | 26.40 | 21.50 | 30″ | 26.40 | 34.00 | 41.00 | 36 13/16″ |
| 83.00 | 110.00 | 43.00 | 29.50 | 36″ | 43.00 | 54.50 | 66.00 | 44¼″ |

**For Designs, Round Registers and Faces See Page 11**
**Round Borders are Shown on Page 14**

**Self-Indicating Ventilators**
**Circular Top Registers and Wall Borders**
**Round Registers—with Square Face**
**Heavy Round Gratings and Borders**
**Cold Air Faces—Style C**

## Self-Indicating Ventilators Price List

| White Japanned | Black Japanned | SIZE OF OPENING | Electro-plated Oxidized Copper | Electro-plated Brass, Bronze or Nickel |
|---|---|---|---|---|
| $1.95 | $1.65 | 4½ x 6½ | $2.25 | $2.45 |
| 2.35 | 2.05 | 6 x 8 | 3.30 | 3.60 |
| 2.45 | 2.10 | 6 x 10 | 3.50 | 4.00 |
| 2.40 | 2.05 | 7 x 7 | 3.40 | 4.00 |
| 2.50 | 2.15 | 7 x 10 | 3.60 | 3.80 |
| 2.45 | 2.10 | 8 x 8 | 3.50 | 4.20 |
| 2.50 | 2.15 | 8 x 10 | 3.65 | 4.35 |
| 2.80 | 2.40 | 8 x 12 | 4.15 | 4.90 |
| 5.05 | 4.30 | 8 x 15 | 6.50 | 7.50 |
| 3.05 | 2.60 | 9 x 12 | 4.50 | 5.60 |
| 4.20 | 3.60 | 9 x 14 | 5.70 | 7.00 |
| 3.35 | 2.85 | 10 x 10 | 4.85 | 5.85 |
| 3.40 | 2.90 | 10 x 12 | 4.90 | 6.00 |
| 4.30 | 3.65 | 10 x 14 | 5.75 | 6.05 |
| 6.35 | 5.35 | 10 x 16 | 7.70 | 9.10 |
| 5.30 | 4.50 | 12 x 12 | 6.85 | 8.40 |
| 5.90 | 5.00 | 12 x 15 | 7.50 | 9.00 |
| 8.10 | 6.85 | 12 x 17 | 9.50 | 11.10 |
| 9.50 | 8.00 | 12 x 19 | 10.85 | 12.75 |
| 13.00 | 11.50 | 14 x 22 | 15.50 | 23.50 |
| 1.75 | 1.50 | 4″ | 2.50 | 2.90 |
| 1.95 | 1.65 | 5″ | 2.80 | 3.10 |
| 2.15 | 1.85 | 5½″ | 3.00 | 3.30 |
| 2.30 | 2.00 | 6″ | 3.20 | 3.50 |
| 2.40 | 2.05 | 7″ | 3.40 | 4.00 |
| 2.45 | 2.10 | 8″ | 3.50 | 4.20 |
| 2.90 | 2.50 | 9″ | 4.40 | 5.40 |

Round

See page 29

## Cold Air Faces—Style C Price List

| Opening Size | Extreme Overall | Black Japan | Tanbo Oak |
|---|---|---|---|
| 10 x 30 | 11 x 31 | $6.00 | $7.25 |
| *12 x 18 | 13 x 19 | 3.90 | 5.00 |
| *12 x 24 | 13 x 25 | 5.50 | 6.60 |
| *12 x 30 | 13 x 31 | 7.00 | 8.50 |
| *14 x 20 | 15 x 21 | 4.80 | 5.75 |
| *14 x 22 | 15 x 23 | 5.00 | 6.00 |
| *14 x 30 | 15 x 31 | 8.75 | 10.50 |
| 16 x 20 | 17 x 21 | 6.10 | 7.25 |
| 16 x 24 | 17 x 25 | 7.00 | 8.50 |
| 16 x 28 | 17 x 29 | 8.50 | 10.25 |
| *16 x 30 | 17 x 31 | 9.25 | 11.00 |
| 18 x 24 | 19 x 25 | 8.25 | 10.00 |
| *18 x 30 | 19 x 31 | 10.25 | 12.00 |
| 20 x 20 | 21 x 21 | 7.50 | 9.00 |
| 20 x 24 | 21 x 25 | 8.60 | 10.50 |
| *20 x 30 | 21 x 31 | 11.25 | 13.00 |
| 22 x 22 | 23 x 23 | 10.00 | 11.50 |
| 22 x 30 | 23 x 31 | 13.50 | 15.50 |
| 24 x 24 | 25 x 25 | 12.00 | 13.75 |
| *24 x 30 | 25 x 31 | 15.00 | 17.25 |
| 24 x 36 | 25 x 37 | 18.00 | 20.00 |
| 26 x 26 | 27 x 27 | 14.00 | 16.00 |
| 28 x 28 | 29 x 29 | 16.00 | 18.00 |

See page 16

## Circular Top Registers and Borders Price List

### Registers—Circular Top—Crown Design

| White Japanned | Black Japanned | SIZE OF OPENING | Electro-plated Oxidized Copper | Electro-plated Brass, Bronze or Nickel |
|---|---|---|---|---|
| $3.50 | $2.95 | *8 x 12 | $4.65 | $6.00 |
| 4.00 | 3.30 | *9 x 12 | 5.20 | 7.00 |
| 6.50 | 5.50 | 10 x 14 | 7.60 | 10.00 |

See page 10

### Wall Borders—Circular Top—Crown Design

| White Japanned | Black Japanned | To Fit Register Size | Electro-plated Oxidized Copper | Electro-plated Brass, Bronze or Nickel |
|---|---|---|---|---|
| $2.50 | $2.00 | 8 x 12 | $2.60 | $3.50 |
| 2.75 | 2.20 | 9 x 12 | 2.80 | 3.90 |
| 3.25 | 2.60 | 10 x 14 | 3.40 | 4.60 |

See page 10

## Round Registers—With Square Face Price List

| SIZE OF OPENING | Black Japanned | White Japanned |
|---|---|---|
| 7″ | $2.00 | $2.40 |
| 8″ | 2.50 | 3.00 |
| 9″ | 3.10 | 3.70 |
| 10″ | 3.70 | 4.50 |
| 12″ | 5.30 | 6.35 |

See page 11

## Heavy Round Gratings and Borders Black Japanned Price List

| SIZE OF OPENING | Grating | Border |
|---|---|---|
| 30″ | $21.50 | $21.50 |
| 33″ | 28.25 | 25.50 |
| 36″ | 35.00 | 29.50 |
| 42″ | 48.00 | 37.50 |
| 48″ | 60.00 | 45.00 |

For Designs see page 11

## DIMENSIONS

Approximate depths of Ferrocraft, Ferrosteel and All Steel Multi-Valve Registers when open.

| "A" Dimension See Pages 57–60 | Ferrocraft Style 30 | Ferrosteel and All Steel Styles 60 and 70 |
|---|---|---|
| Registers 4 inches wide | 2¼ inches | 2¼ inches |
| " 5 " " | 2 " | 2¼ " |
| " 6 " " | 2⅜ " | 2¼ " |
| " 7 " " | 2¾ " | 2¼ " |
| " 8 " " | 3 " | 2¼ " |
| " 9 " " | 3¼ " | 2¼ " |
| " 10 " " | 3⅜ " | 2¼ " |
| " 11 " " | 4 " | |
| " 12 " " | 4 " | 2¼ " |
| " 14 " " | 4 " | 4¼ " |
| " 15 " " | 4½ " | |
| " 16 " " | 4¼ " | 4¼ " |
| " 18 " " | 4¾ " | 4¼ " |
| " 20 " " | 5½ " | 4¼ " |
| " 21 " " | 6 " | |
| " 22 " " | 5¼ " | 4¼ " |
| " 24 " " | 5⅜ " | 4¼ " |
| " 26 " " | 5¾ " | 4¼ " |
| " 27 " " | 6 " | |
| " 28 " " | 6½ " | 4¼ " |
| " 30 " " | 7¾ " | 4¼ " |
| " 36 " " | 7⅜ " | |
| " 38 " " | 7⅜ " | |

## WEIGHTS

The following table gives the approximate net weights of some of the Common Sizes of Ferrocraft, Ferrosteel and All Steel Multi-Valve Registers. The weights of other sizes can be approximated from those given.

| "A" Dimension See Pages 57–60 | Ferrocraft Style 30 | Ferrosteel Style 60 | All Steel Style 70 |
|---|---|---|---|
| **6 x 8** | 4½ lbs. | 3½ lbs. | 2½ lbs. |
| **8 x 10** | 7¼ " | 5¾ " | 4 " |
| **8 x 12** | 8¾ " | 6 " | 4½ " |
| **9 x 12** | 11 " | 7½ " | 5 " |
| **10 x 12** | 12 " | 8 " | 5½ " |
| **10 x 14** | 13¾ " | 9½ " | 6½ " |
| **12 x 12** | 16 " | 10½ " | 6½ " |
| **12 x 14** | 17¾ " | 12 " | 7½ " |
| **12 x 15** | 19¼ " | 13 " | 8 " |
| **14 x 16** | 26½ " | 20 " | 15 " |
| **16 x 20** | 31¼ " | 28¾ " | 21 " |
| **16 x 24** | 42¼ " | 33 " | 25 " |

# Telegraph and Cable Code

It has been our aim in compiling this Code to condense much information into as few words as possible. The Telegraph Companies transmit Code words of three syllables (not over ten letters) as one word, when written together, and our Code is composed of syllables of three letters each; hence any three of our Code syllables may be written as one word. For instance, to order by Code.

50—Style 60—8 x 10 Black
25—Style 6—9 x 12 White
10—Style 900—6⅝—10 x 12 Ox. Cop.

It would be:

50—NUX
Style 60—DAM
8 x 10—SOB
Black —FAB
25—NIG
Style 6—DIF
9 x 12—SPE
White —FAC
10—NAX
Style 900—6⅝—GAK
10 x 12—SUP
Ox. Cop.—FUB

Join three of these syllables into one word, as "Nuxdamsob Fabnigdif Spefacnax Gaksupfub," or only four words for the telegram.

## Quantities

| Quantity | Code Word | Quantity | Code Word | Quantity | Code Word | Quantity | Code Word |
|---|---|---|---|---|---|---|---|
| 1 | NAB | 31 | NOC | 61 | PEB | 91 | PUB |
| 2 | NAC | 32 | NOD | 62 | PEC | 92 | PUC |
| 3 | NAD | 33 | NOF | 63 | PED | 93 | PUD |
| 4 | NAF | 34 | NOL | 64 | PEE | 94 | PUG |
| 5 | NAG | 35 | NON | 65 | PEN | 95 | PUN |
| 6 | NAM | 36 | NOP | 66 | PEP | 96 | PUP |
| 7 | NAR | 37 | NOR | 67 | PES | 97 | PUR |
| 8 | NAS | 38 | NOT | 68 | PET | 98 | PUS |
| 9 | NAT | 39 | NOW | 69 | PEX | 99 | PUT |
| 10 | NAX | 40 | NOX | 70 | PEY | 100 | PUX |
| 11 | NEA | 41 | NUB | 71 | PIC | 200 | VAB |
| 12 | NED | 42 | NUC | 72 | PID | 300 | VAC |
| 13 | NEE | 43 | NUD | 73 | PIF | 400 | VAD |
| 14 | NEJ | 44 | NUF | 74 | PIK | 500 | VAG |
| 15 | NEK | 45 | NUG | 75 | PIN | 600 | VAN |
| 16 | NEN | 46 | NUM | 76 | PIP | 700 | VEA |
| 17 | NEP | 47 | NUP | 77 | PIR | 800 | VEE |
| 18 | NER | 48 | NUS | 78 | PIT | 900 | VEH |
| 19 | NET | 49 | NUT | 79 | PIX | 1000 | VEM |
| 20 | NEX | 50 | NUX | 80 | PIZ | 1100 | VEP |
| 21 | NIA | 51 | PAB | 81 | POB | 1200 | VIF |
| 22 | NIB | 52 | PAC | 82 | POC | 1300 | VIP |
| 23 | NID | 53 | PAD | 83 | POD | 1400 | VIM |
| 24 | NIF | 54 | PAF | 84 | POF | 1500 | VIR |
| 25 | NIG | 55 | PAG | 85 | POM | 1600 | VIT |
| 26 | NIM | 56 | PAN | 86 | POO | 1700 | VOC |
| 27 | NIR | 57 | PAP | 87 | POP | 1800 | VOD |
| 28 | NIS | 58 | PAR | 88 | POS | 1900 | VOS |
| 29 | NIT | 59 | PAS | 89 | POT | 2000 | VOX |
| 30 | NIX | 60 | PAT | 90 | POW | | |

| STYLES | Code Word |
|---|---|
| REGISTERS (Multi-Valve) | |
| Any Design | DAB |
| Style 30 (Plain Lattice Cast) | DAG |
| Style 60 (Plain Lattice Ferrosteel) | DAM |
| Style 70 (Plain Lattice All-Steel) | DAL |
| Style 26 (Convex Ferrosteel) | DET |
| Style 75 (Convex All Steel) | DEK |
| Style 00 (Round Indian Lattice) | DYZ |
| REGISTERS (Single Valve) | |
| Style 16 (Wafer—Plain Lattice Ferrosteel) | WAP |
| Style 40 (Wafer—Plain Lattice All Steel) | WAX |
| Style 900—5⅝ (Baseboard—Plain Lattice All-Steel) | GAD |
| Style 900—6⅛ (Baseboard—Plain Lattice All-Steel) | GAG |
| Style 900—6⅝ (Baseboard—Plain Lattice All-Steel) | GAK |
| Style 900—7⅛ (Baseboard—Plain Lattice All-Steel) | GAM |
| Style 900—8⅝ (Baseboard—Plain Lattice All-Steel) | GAP |
| BORDERS | |
| Style B (Brilliant Cast) | ENB |
| Style BO (Brilliant Round) | EDS |
| Style BR (Brilliant Ribless) | ENR |
| REGISTER FACES—COLD AIR FACES | |
| Any Design | DEX |
| Style 6 (Plain Lattice Cast) | DIF |
| Style 7 (Plain Lattice Steel, No Bars) | DIB |
| Style L (Plain Lattice Steel with Bars) | DIK |
| Style C (Plain Lattice Cast-Oblong Mesh) | DIV |
| ADJUSTABLE VENTILATORS | |
| Style 77 (Plain Lattice All-Steel) | BAF |
| Style 707 (Plain Lattice All-Steel) | BAK |
| GRATINGS FOR PIPELESS FURNACES | |
| Style D (Plain Lattice Cast) | CAB |

## Sizes

| Size | Code Word | Size | Code Word | Size | Code Word |
|---|---|---|---|---|---|
| 4 x 6 | SAB | 9 x 13 | SPI | 16 x 28 | TIG |
| 4½ x 6½ | SAC | 9 x 14 | SPO | 16 x 30 | TIM |
| 4 x 8 | SAD | 9 x 15 | SPY | 16 x 32 | TIO |
| 4 x 10 | SAG | 9 x 16 | STA | 16 x 36 | TIP |
| 4 x 12 | SAM | 9 x 18 | STI | 18 x 18 | TIR |
| 4 x 13 | SAR | 9 x 20 | STY | 18 x 20 | TIS |
| 4 x 15 | SAS | 9 x 22 | SUB | 18 x 21 | TIX |
| 4 x 18 | SAT | 9 x 24 | SUC | 18 x 24 | TOC |
| 4 x 21 | SAW | 9 x 26 | SUE | 18 x 27 | TOD |
| 4 x 24 | SAX | 9 x 28 | SUF | 18 x 30 | TOF |
| 5 x 8 | SEC | 9 x 30 | SUG | 18 x 36 | TOG |
| 5 x 9 | SED | 10 x 10 | SUO | 20 x 20 | TOL |
| 5 x 10 | SEE | 10 x 12 | SUP | 20 x 22 | TON |
| 5 x 11 | SEG | 10 x 14 | SUR | 20 x 24 | TOO |
| 5 x 12 | SEN | 10 x 16 | SUS | 20 x 26 | TOR |
| 5 x 13 | SEP | 10 x 18 | SUX | 20 x 28 | TOS |
| 5 x 14 | SER | 10 x 20 | SYB | 20 x 30 | TOT |
| 5 x 15 | SES | 10 x 22 | SYC | 20 x 32 | TOW |
| 5 x 16 | SET | 10 x 24 | SYD | 20 x 36 | TOX |
| 5 x 17 | SEV | 10 x 30 | SYM | 21 x 21 | TRA |
| 5 x 18 | SEX | 11 x 17 | TAB | 21 x 25 | TRE |
| 6 x 6 | SCA | 11 x 18 | TAC | 21 x 29 | TRI |
| 6 x 8 | SCE | 11 x 20 | TAD | 22 x 22 | TUB |
| 6 x 9 | SCO | 12 x 12 | TAF | 22 x 24 | TUC |
| 6 x 10 | SCY | 12 x 14 | TAG | 22 x 26 | TUD |
| 6 x 12 | SHE | 12 x 15 | TAN | 22 x 28 | TUF |
| 6 x 14 | SHO | 12 x 16 | TAP | 22 x 30 | TUG |
| 6 x 16 | SHY | 12 x 17 | TAR | 22 x 32 | TUN |
| 6 x 18 | SIB | 12 x 18 | TAS | 22 x 36 | TUP |
| 6 x 20 | SIC | 12 x 19 | TAT | 22 x 38 | TUS |
| 6 x 22 | SID | 12 x 20 | TAX | 22 x 42 | TUT |
| 6 x 24 | SIG | 12 x 24 | TEA | 24 x 24 | TUX |
| 6 x 28 | SIN | 12 x 30 | TEC | 24 x 27 | TYB |
| 6 x 30 | SIR | 12 x 32 | TED | 24 x 30 | TYD |
| 6 x 32 | SIT | 12 x 36 | TEE | 24 x 32 | TYE |
| 7 x 7 | SLA | 12 x 40 | TEF | 24 x 36 | TYG |
| 7 x 10 | SLE | 12 x 48 | TEG | 24 x 45 | TYN |
| 7 x 12 | SLI | 14 x 14 | TEK | 27 x 27 | TYP |
| 7 x 14 | SLO | 14 x 15 | TEM | 27 x 38 | ZAB |
| 7 x 15 | SLY | 14 x 16 | TEO | 28 x 28 | ZAC |
| 8 x 8 | SOA | 14 x 18 | TEP | 28 x 30 | ZAD |
| 8 x 10 | SOB | 14 x 20 | TER | 28 x 32 | ZAF |
| 8 x 12 | SOC | 14 x 22 | TES | 28 x 36 | ZAM |
| 8 x 13 | SOD | 14 x 24 | TET | 30 x 30 | ZAP |
| 8 x 14 | SOF | 14 x 48 | TEX | 30 x 36 | ZAR |
| 8 x 15 | SOG | 15 x 15 | THA | 30 x 42 | ZAS |
| 8 x 16 | SOM | 15 x 21 | THE | 30 x 48 | ZAT |
| 8 x 18 | SOO | 15 x 25 | THI | 36 x 36 | ZAX |
| 8 x 20 | SOP | 15 x 30 | THO | 36 x 40 | ZEB |
| 8 x 21 | SOR | 16 x 16 | TIB | 36 x 42 | ZEC |
| 8 x 24 | SOS | 16 x 18 | TIC | 36 x 48 | ZED |
| 8 x 27 | SOT | 16 x 20 | TID | 38 x 38 | ZEF |
| 8 x 30 | SOX | 16 x 22 | TIE | 38 x 40 | ZEG |
| 9 x 9 | SPA | 16 x 24 | TIF | 38 x 42 | ZEM |
| 9 x 12 | SPE | | | | |

### FINISHES

| | | | |
|---|---|---|---|
| Black Japanned | FAB | Oxidized Copper Plated | FUB |
| White Japanned | FAC | Nickel Plated | FUD |
| Prime Coat White | FAD | Tanbo Ox Copper | FAG |
| Ground or Unfinished | FEK | Tanbo Brass | FAL |
| Copper Plated | FOB | Tanbo Antique | FAN |
| Bronze Plated | FOD | Tanbo Oak | FAS |
| Dull Brass Plated | FOP | Tanbo Silver | FAT |

### QUOTATIONS AND CORRESPONDENCE

| | Code Word |
|---|---|
| At what price and how soon can you furnish | QUADRANTS |
| Quote best price on | QUADRATE |
| Wire reply quick | QUADROON |
| Will wire you to-morrow morning | QUAFFED |
| Have written | QUAGGY |
| Answer by first mail | QUAGMIRE |
| See our letter..giving full particulars | QUAINTLY |
| Have received no reply from you to our letter of | QUAKINGLY |
| Referring to your telegram of | QUAKERISM |
| Referring to your letter of | ARPILLEIS |
| Referring to our telegram of | QUANDARY |
| Referring to our letter of | QUARRIED |
| Do not understand the meaning of | QUARTETTE |
| Inclosure mentioned in your letter of.. not received mail same at once | QUANTUM |
| We quote you for immediate acceptance | QUASH |
| What is the Car Load freight rate to | QUAVERED |
| What is less than Car Load freight rate to | QUENCH |
| Best rate of freight quoted on Car Load is | QUERIST |
| Best rate of freight quoted on less than Car Load is | QUIBBLER |
| Will wire you freight rates as soon as received | QUIETUDE |
| Send us your catalogue | QUILTED |
| Send us your latest discount sheet | QUIVER |

### ORDERS AND SHIPMENTS

| | Code Word |
|---|---|
| Ship immediately | OBDURATE |
| Ship by express | OBEDIENT |
| Ship by freight | OBEISANCE |
| Ship by best route | OBELISK |
| Ship immediately and follow with tracer | OBJECTIVE |
| Ship before present freight rates advance | OBJURGATE |
| Ship with draft and bill of lading attached | OBLATE |
| Ship by same route as our order (No. or date) | OBSERVANT |
| Do not hold for other orders but rush quickly as possible | OBTRUDER |
| Forward as small lot unless you have carload going at once | OBTRUSIVE |
| Send us bill of lading covering our order (No.....) | OBLIQUITY |
| When and by what route did you ship our order (No. or date) | OPERAS |
| Send tracer after our order (No. or date) | OPERATICS |
| Trace vigorously by wire our order (No. or date) | OPHIDIAN |
| Will send shipping instructions by mail | OBSERVER |
| Shipping instructions for our order (No. or date) are as follows | OBSTACLE |
| Enter order as per our inquiry of | OBLIVION |
| Enter order at your quotation of | OBSCURITY |
| Cannot ship as per your order but could ship immediately | OBSTRUENT |
| Omit..from our order (No. or date) | OPPOSER |
| When will order (No. or date) be shipped? | OPAQUE |
| Could ship immediately | OPTATIVE |
| Expect to make shipment | OPTICAL |
| Change our order (No. or date) to read | ORACULAR |
| Referring to your order (No. or date) | ORATORS |
| Referring to our order (No. or date) | ORCHARDS |
| Do not find any order from you (No. or date) | ORCHESTRA |
| Give date or number of order referred to | OPTIMISM |
| Your order (No. or date) does not specify | OPULENT |
| If you have not shipped hold for further advice | FATARIO |
| When will same be shipped? | FATASSIMO |
| Your Order No.... will go forward | FATEFULLY |
| Your Order No.... forwarded | FATEOSIM |
| Must be shipped before | FATEREMO |
| Must be no delay in shipment | FATHER |
| Ship with order No. | FATHOMED |
| Unless you can ship immediately order will be cancelled | FATICANDO |
| Ship immediatly as much of order No. ...as possible, and hurry balance forward. Most urgent | FATICARONO |
| Wire us earliest date possible you can ship order No.... as customer threatens to cancel order | FATECHERO |
| Must be shipped from New York by | FATICINUS |
| Release order No... and ship by steamer sailing not later than | FATIFER |
| Divert order No. to | FATIGADAS |
| If you are unable to guarantee shipment by time specified telegraph immediately | FATIGATES |
| Release Order No... and telegraph date of shipment | FATIGAVERO |
| When did you ship balance of order No | FATILEGI |
| When will you ship balance of order No | FATILEGOS |
| Release order No... and ship immediately | FATISCET |
| Telegraph earliest possible date when you can ship the following goods | FATRASIE |
| Unless you can let us have better shipping date customers threaten to cancel order | FATTORINA |
| Have suspended work on order No. | FATZWERK |
| Have suspended work on order No..which is almost complete | FATZWORT |
| If it does not delay, ship with previous order No | FAUBOURG |
| Why don't you answer our telegram of | FEBRIBILIS |
| Answer by telegraph immediately | FEBRICITO |
| Substitute..in place of..Balance of order to remain as per original specifications | FEBRUAIUM |
| You may substitute | FECERO |
| May we substitute on your order No | FECHADO |
| May we change your order No...to read | FECHADURA |
| Change our order No. to read | FECHAMENTO |
| Cancel our order No | FECHAR |
| Cancel..on our order No | FECHELLE |
| Cancel our order No. ..and substitute | FECHORIAS |
| Please duplicate our order No | FECHTORT |
| Give exact gross and net weights of each package | FECHTPLATZ |
| Give total gross and net weights | FECHTREGEL |
| See our confirmation for special marks | FECHTWEISE |
| Same instructions to apply as our order No | FECIALES |
| Add to our order No | FECISSEMUS |
| Packages to be marked consecutively | FECISSENT |
| Will be cancelled | FECOLENTO |
| Cancel if possible..if too late advise by telegraph | FECONDANDO |
| Instructions for marking are mailed you to-day; in the meantime get order ready so that shipment can be made immediately these intructions are received | FECONDAVA |
| Give preference over order No | FECUNDAMOS |

# *Definitions and Specifications*

**Register:**

A Register is a metal covering of open design attached to movable valves for controlling, in the room, the flow of warm or cold air.

The term **Register** includes the **Face and** the **Bottom** containing the movable valves and operating movement complete.

Registers are furnished in Ferrocraft (all cast), Ferrosteel (semi-steel) or All Steel.

**Ventilator:**

See Pulley Register.

**Grille:**

A Grille is a Register Face with Wheel Slot and Frame Hole openings closed up in order to make the design continuous.

**Register Face:**

A Register Face is the face of the Register. It has a Wheel Slot and Frame Hole openings for use when attaching it to the Register bottom.

**Border:**

A Border is a frame set in the floor into which the Register fits, used principally as a fire protection.

**Register Bottom:**

A Register Bottom consists of the Valves and Body Frame which holds the Valves. A Register Bottom is a Register less the Face.

**Body Frame:**

A frame into which the valves are set and to which the Register Face is attached.

**Valve:**

A louvre which may be opened or closed to admit or to prevent the circulation of air.

**Pulley Register:**

A Register with pulleys attached so that, when the operating handle is out of reach, the Register may be opened and closed by cords or chains. Two styles of pulleys can be furnished, one style for use in the side wall, and one style for use in the ceiling.

**Wall Frame:**

A four-sided reverse beveled frame of Cast Iron usually masoned in brick walls to which a Register, Register Face, or Grille is attached.

**Plain Lattice:**

A standard Mesh $\frac{7}{8}$ inch square used for Cast Iron and Steel Grilles or Register Faces.

**Size:**

Throughout this catalogue sizes are opening sizes, i.e., the size of the opening to be covered.

This is in accordance with the trade custom and in the absence of information to the contrary, we will understand that sizes given us are "A" dimensions (see cut on page 57).

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LOUISIANA PURCHASE EXPOSITION

6. HIGHEST AWARD
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